

## Bracknell residents fight sale of estate

OPPOSITION is growing to proposals for a leisure pool in Bracknell with council estate residents claiming their estate is being sold to fund the development.

The proposals first aroused controversy when Sargent & Potriadis, one of four architects competing to design the pool, organised a four-day £3,000 fact-finding trip to Germany for three councillors and four officers.

Some councillors were concerned that the trip was not authorised in advance by the finance committee and one, Colin Brookes, complained that the trip could be seen as an inducement.

But Peter Sargent of Sargent & Potriadis pointed out that ratepayers had paid for the trip and said his practice usually organised fact-finding visits for both commercial and local authority clients.

Now residents of the Skimped Hill estate in the town are complaining that the 114-home estate is to be sold for shopping and industrial development while the town is putting homeless families in bed and breakfast accommodation.

The council has rejected both modernisation, and demolition and rebuilding — which would cost £6 million — and has recommended the £16 million site be redeveloped.

Residents in 76 out of the 114 homes on the estate have signed a petition to stay on the estate and are demanding a public inquiry.

The council is expected to make a decision next June.

## Academy day

THE official "receiving day" for architects entering work to the Royal Academy summer exhibition, is April 22.

## Final curtain falls on Glasgow theatre

THE Apollo Theatre in Glasgow, once Europe's largest capacity cinema — is to be demolished.

Known now as the city's major rock venue, the 4,000-seat Green's Cinema Playhouse was designed in 1929 by the Glasgow architects, John Fairweather & Son.

**Diorama fund launched**

DIORAMA Arts has launched its appeal to raise a total of £5 million to preserve Pugin's Diorama building place of public entertainment.

The trust wants to raise £1 million to buy a lease from the Crown Estate Commissioners, who are waiting for a response to their appeal to the DoE. Camden council failed to determine their request to build flats.

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## Ronan Point MP demands reopening of public inquiry

NEWHAM MP Nigel Spearing has called for the reopening of the 1968 public inquiry into the collapse of Ronan Point.

In an appeal to Secretary of State for the Environment Nicholas Ridley, Spearing quotes the original report by Hugh Griffiths QC, which said "the building had been put under the microscope".

Recent major findings of bad workmanship and design faults could suggest a major cover-up, he said.

Spearing has evidence from Newham's director of engineering, George Iley, that faults found during the current scientific dismantling of the notorious lower block are much worse than reported by Griffiths.

The 1968 inquiry said: "In general the standards of workmanship and supervision were

By Alan Thompson

satisfactory." The exceptions were the difficulty of pecking mortar onto the outer face so that "some of the mortar on the outer edge of the pecking was loose" and problems with the plates.

The report also stated categorically that "no deficiency in either workmanship or supervision contributed to, or was in any way responsible for, this disaster".

Iley has outlined more faults than Griffiths found.

Extensive voiding, deficient pecking, and site rubbish in load-bearing joints have come to light already.

Now, Newham council investigators have found that

"virtually none of the levelling bolts (which support wall panels) have been wound down".

This fault should have been noticed by Griffiths in 1968, Spearing believes.

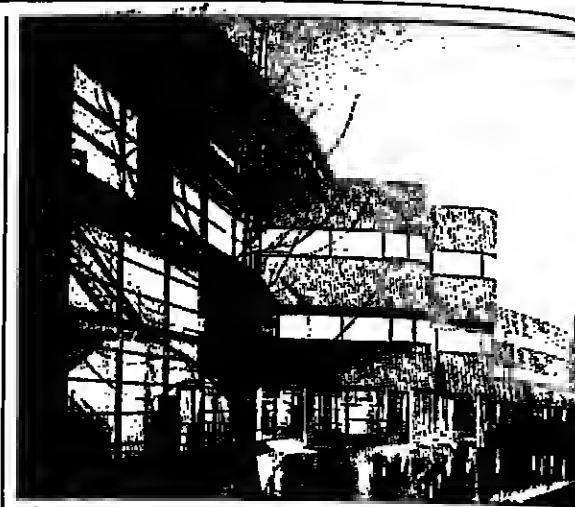
Another factor missed by the Griffiths inquiry, but which has come to light during the dismantling, is the absence of some in-situ concrete in the internal horizontal joints.

The engineers' recent report says: "The structural impli-

cations of this, if it were to continue to the lower more heavily loaded joints, is still to be assessed".

There is concern that the building is in danger of progressive collapse under extreme wind loads.

Newham's engineers are compiling a detailed report on the structure of Ronan Point and Spearing is demanding that the environmental secretary reopens the inquiry as soon as he receives it.

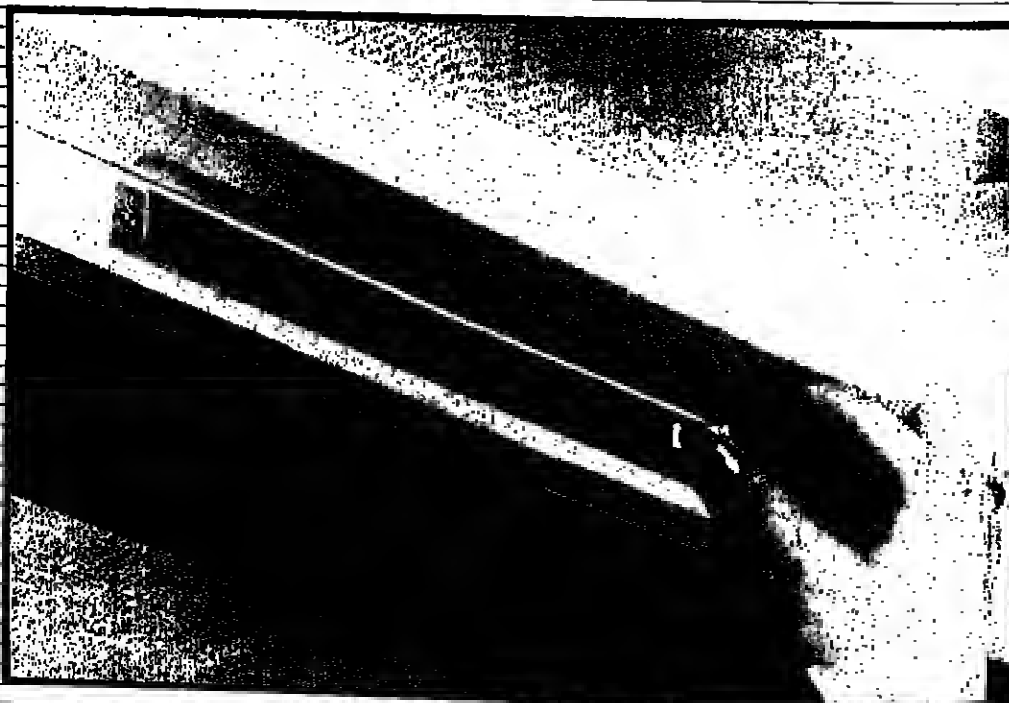


## Against all odds

This silicon wafer fabrication development at Foots Cray, Kent, is designed by GMW for STC, and is said to be a par with the world's most up-to-date technology in the field.

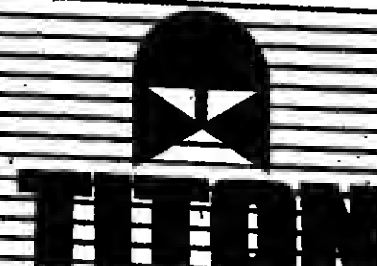
The £26 million project took two and a half years to complete, and includes a river, sewers, electricity and telecommunications cables, supplies of Artesian spring water on the 12ha site. It also lies in a flood plain which means all services had to be relocated but maintained during construction. Offices from the development, with the manufacturing plant, Structural consultants were Ove Arup, specialist designers and managing consultants for the fabrication building, were Mithun Hall with Gough Green and W S Atkins. Davis were management contractors for infrastructure and support buildings.

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# BUILDING DESIGN

No 815

The weekly newspaper for the design team

FRIDAY DECEMBER 5 1986

## Institute looks at council shake-up

ASHAKE-UP in the constitution of RIBA Council is on the cards in the wake of worries about the attractions of the Institute to younger architects.

Honorary secretary Nick Brill is investigating ways of encouraging under-35 members to stand as part of a general review of the council's composition.

Proposals for change could be presented at the next council meeting in January.

The beleaguered Portland Place establishment, stung by criticisms raised during the presidential election campaign which closes today, is looking for a more powerful and representative council, including more nationally known figures and younger members.

The study being undertaken by Brill is part of a general response to a series of internal difficulties which have beset the Institute recently. These include:

- The resignation of a group of staff, including drawings curator John Harris, public affairs director David Atwell, architect editor David Pearce as reported last week, and press officer Hilary King.

- Staff unrest over the proposed appointment of two new deputy secretaries, itself a move to strengthen perceived weaknesses in the Institute's staffing structure.

- Criticism over the continuation of plans to move the Drawings Collection to Portland Place.
- Union complaints that Jill Lever was not appointed as head of the Drawings Collection (meetings are taking place with management next week).

- Worries about the proposed move of companies from Portland Place being masterminded by Fred Roche, possibly to the Concorde Quay, Butler's Wharf project in Docklands.

- Staff criticism of the statements by both presidential candidates on staffing changes, about which they have not been consulted.

Meanwhile Frank Woods has resigned as chairman of RIBA Magazine. He has been replaced by Michael Heseltine's former publishing business partner, Clive Labovitch.

It is understood that Woods was, like Pearce, unhappy about restrictions on editorial content and about a projected shortfall in profits.

## Revamp at Charing Cross

# FARRELL'S RIVERSIDE 'GATEWAY' GO-AHEAD

TERRY Farrell's Charing Cross station scheme has been granted full planning consent by Westminster council, clearing the way for the renaissance of an important central London riverside location.

Farrell said this week the scheme would provide a "gateway to the South Bank".

The Hungerford Bridge pedestrian walkway would be

By Lee Mallett

extended at one level through to the station concourse.

Farrell is also looking at ways of improving the environment on the South Bank for the South Bank Board, and how Hungerford Bridge could be improved.

"My view is to treat it like a coathanger. There's no need to knock it down Rogers-style. I think it could be a very jolly bridge," he told *BD*.

Designed for developer Grey-

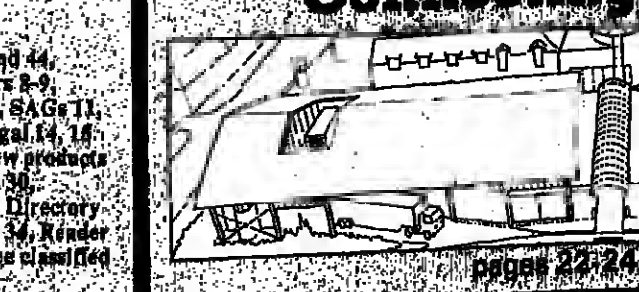


Model seen from the south.

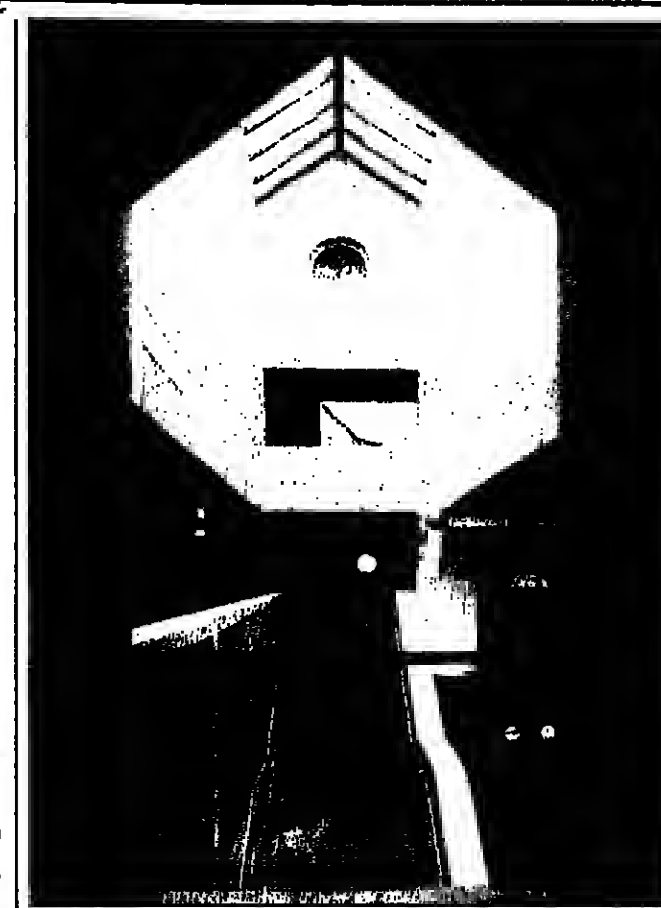
Other elements of the scheme include the conversion and revitalisation of the vaults beneath the station to provide 2,700sq m of retail space, and a new permanent auditorium for the Pinyers Theatre.

Villiers Street would be partially pedestrianised. Rolfe Judd have prepared a retail conversion scheme for the buildings on the eastern side of the street, while a new building, to house retail and sports facilities, will be built on the western side forming the "foot-hills" of the new development.

Last month Farrell's major proposal for London Wall in the City was put on ice by the planning committee.



Model seen from the south.



The spectacular entrance hall. Photos: Richard Bryant.

## Stirling's Tate unveiled

James Stirling's first major public building in this country, the Clor Gallery for the Turner Collection, has been completed. Works are now being hung for the official opening in March. The Tate Gallery expects the £7.7 million wing to boost attendance dramatically, just as Stirling's Stuttgart Staatsgalerie has become Germany's most popular gallery.

Like its earlier, larger relation, the Clor Gallery features brightly coloured frames and attached elements set against neutral, natural walls — in this case Portland stone and brick. The spectacular entrance hall, rising to rooflights, incorporates the principal staircase that rises to the new galleries at first-floor level. These are continuous with the Tate's existing galleries.

Ground-level facilities include a reading room, auditorium, classroom, paper conservation studios and

workshops while reserve galleries are at upper levels.

The Clor Gallery is the first phase of James Stirling, Michael Wilford & Associates' grand plan for the Tate's "New Museums" on the Queen Alexander Military Hospital site.

Consultants include Steenson, Yarnall, Mulcahy (services), Felix J Somuely (structure), Davis Bedford & Everest (quantity surveyors). Project management was by PSA London Region.



Exterior view.



Model seen from the south.

## Docklands Bill gets green light

THE House of Lords has given final approval to construction of the £100 million rail link between the City and Docklands after the Bishop of London, Dr Graham Leonard, dropped his amendment to the bill.

Dr Leonard had called for an "exhaustive inquiry" into the Canary Wharf development, particularly its effects on London's East End.

The London Docklands Railway (City Extension) Bill is now due to receive Royal assent before Christmas.

Signing of a master building agreement is expected soon after.

## Vienna ideas

WILL Alsop and John Lyall have been invited by the City of Vienna to produce ideas for the improvement of its famous shopping street, Mariahilferstrasse.

## Cambridge win

COLQUHOUN & Miller have won the limited competition for an extension to the Fitzwilliam Museum, Cambridge. Other proposals were by Demetri Porphyrios and Nicholas Hare.

## Cards, please

AS usual, we will be publishing a selection of architect-designed Christmas cards, with champagne for the best one. Entries by Friday December 12, please.

## Hackney's local partnership call

CENTRAL and local government, the private sector and the professions must get together, stop bickering and launch an attack on social deprivation, bad housing and unemployment, Rod Hackney told the Building Communities conference last week.

He called for an immediate reappraisal of legislation affecting the inner cities. "Rules and

regulations need to be relaxed," he said.

And he suggested that every town and city should identify two or three areas for immediate action and set up task force groups.

Banks and building societies should be encouraged to invest in the inner cities and local people should be involved as direct labour.

Conference report overleaf

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DESPITE the constant free coffee, the Astoria Theatre was pretty cold. It was scarcely possible to believe that this was the great media event that had, by virtue of the heir to the throne's good offices, made the headlines of the serious press as well as the tabloids, writes *Thom Gurst*.

Admittedly, it wasn't the conference that had made the headlines. It was the Prince's lunch of his Inner City Trust — a manifestation of the "third force" which is going to deal with the environmental problems using private donations.

But what about the bit that got left behind after the Prince's entourage had left — the first ever international conference on community architecture? A slightly shabby and certainly underfunded theatre next door to a sex shop on the Charing Cross Road gave it that degree of "street cred" which the main hall of the RIBA couldn't have achieved.

Otherwise, credibility was desperately lacking. Apart from the small clusters of what Martin Pavley described as "the lumberjack shirts and trousers of the community activists", only a token handful of speakers from ethnic minorities, the hall and the platform were firmly held by white, male, professional types. It moved one speaker to say:

Massive publicity and spiky debate marked the "Building Communities" conference in London last week. After all the promotion, *BD* reviewers cast a critical eye over proceedings.

## Taking the stage



Views from Westminster — Patten, Williams and Heseltine.

"your wealth is bound to appear insolent". What was lacking among the countless repetitions of that much-abused word "community" was a community itself. In this conference, it was a case of what do we do for them?

One speaker from the floor summed it up more accurately than he probably intended: "If you don't move over, they will begin to take power for themselves".

Not surprisingly, Shirley Williams seemed to be the most appreciated of the political contributors. It was her safe radicalism that went down well.

The audience loved it when she cried: "Let's tell ideology to take a running jump".

Both John Patten and Michael Heseltine, speaking for the Tories, obliged by quitting the conference immediately after delivering their pieces. After all, being associated with a government which has frozen the money that local authorities have gained from the sale of council homes, and then cut the housing investment programme by up to 20 per cent in some areas, does not go down well in a conference supporting the International Year of Shelter for the Homeless.

As for the Left, it was branded time and again as "paternalistic" and impotent when it comes to getting involved in community action. That there was no strong support for the suggestion that the public sector, with its democratic accountability, should be strengthened to embrace community architecture says much of the participants in this conference.

Why can't the public sector provide a service to the community? What on earth makes it impossible for the local public

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On the first day the conference heard George Nicholson, the last chairman of the Greater London Council's planning committee, show what an enlightened planning initiative could achieve. The GLC's community areas policy linked urban areas with particular needs with resources and expertise at a local level.

Then there is Haringey council's ambitious programme to set up a design team on the Broadwater Farm estate — a programme that specifically invites residents of the estate who would like a training in architecture to join the team.

On the second day the conference heard David Hall, director of the Town & Country Planning Association, take up the public initiative. He argued that central government should give local authorities more freedom, encouraging them to reach into the community. Parish or neighbourhood councils should be established, with the power to set a significant rate. The parent authority should be able to acquire land for the smaller unit, and feed half the dividends back to the neighbourhood. Imagine the London Docklands, he joked, if the London Docklands Development Corporation had worked that way!

interest. Did the conference really expect them to set aside their differences in a "partnership" and work together to devolve power to underprivileged communities?

The chances of a willing transfer of genuine control to ordinary people seem very slight, and some of the proposals put to the conference contain more potential pitfalls than solutions.

Professionals and politicians must realise that if communities are to have a full say in the development of their environments, the process is likely to be slowed down rather than speed up.

If the new Inner City Trust is not to become (like many other poverty programmes launched by successive governments) window dressing as other resources are withdrawn, it will need an enormous injection of funds and must be firmly committed to devolution of real power to its consumers.

One knock-on effect of more money being available for rebuilding the community is work for professionals. In publicising the new label community architecture, we hope this conference will stimulate more debate about how professionals use their expertise. Many non-architect speakers in the Astoria questioned the need for a specialist community architect and his role as "leader" of the rebuilding.

This approach is likely to reinforce the tendency of professionals to mystify their skills and protect their privileges. New ways of working are needed, involving a greater willingness to listen to the users of the environment.

Conferences tend to be platforms for existing power groups so it is not surprising that the Campaign Against the Sale of Estates saw this as a "bloody jamboree for the development industry and nothing more". However a powerful message was reinforced by this particular jamboree: fundamental changes are needed in our inner cities and huge financial resources are needed to effect them. There must also be changes in the access to power and decision-making and architects should seriously question whether their possession of technical and professional skills gives them rights of control.



REGALIAN  
DESTROYING  
COMMUNITIES  
FOR  
PROFIT



By BD Reporters

Workshop reports end in confusion

There was uproar at the end of the session of the RIBA's Saturday conference with the chairman Raymond Andrews overheard by a plethora of microphone-wielding time already up, writes *John Wood*.

The Community Architecture Group which arranged the workshops to report back to the final session with motions wanted put to the RIBA Council was not alone in its results of each workshop was no time for the 15 minutes he discussed or voted on.

Andrews, wanting to close the session, said the council would note the resolutions but the council member Jake Barnes protested: "If the council is not to note the resolutions, that is exactly what it will do. The motions will go in to the shredder and never be heard again — that is what the council does so well."

After several angry exchanges the meeting decided that the chairman of each workshop should take away the motions arising from it and "put it up".

The result would be that everyone who attended the workshop and they would be shop and they would be shop and they would be shop.

THURSDAY afternoon was the only time during the conference that representatives of the communities it was all supposed to be about got a chance to speak for themselves.

The first representative was Tony McGinn, chairman of the Edgware Community Association in Liverpool, who launched a blistering attack on the city's council.

He accused it of destroying communities and co-operatives in an attempt to bring them all under the council's control.

But he was echoed by other speakers in slamming national government for its red tape and bureaucracy which bogged down initiatives and sapped the energy

of community groups.

A lone voice in support of red tape came from George Nicholson, chairman of the Greater London Council planning committee, until it was disbanded.

He said that if communities wanted democracy more planning was needed not less, and used the destruction of communities in London's Docklands as an illustration of what happens when local democracy is abolished.

Andrew Kean, a Glaswegian member of the Association of Community Technical Aid Centres, gave his definition of "true community architecture".

He said that it had to be user-controlled, it had to be receptive to the needs and wishes of the community and it should be non-profit making.

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## Communities launch bitter attack

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## Prince calls for Classical revival

A NEW renaissance in architecture, a major campaign to save our heritage and a host of local initiatives to promote community and economic development were called for by Prince Charles in his keynote address to last week's Building Communities conference.

"I think it is time to resurrect the principles by which Classical Greece operated", said the Prince. "We have been led by the noses for long enough down a path which totally ignores the principles of harmony."

He quoted Ruskin: "Architecture is that art which so adorns the edifices raised by man that the sight of them

contributes to his mental health, power and pleasure". According to the Prince: "The exact opposite has been happening for too long — people have been ignored", he said.

The Prince said he had come to the conference because: "The community architecture approach makes a great deal of sense to me and I would like to see more people become aware of it".

He made a plea for partnerships to be created between communities and the establishment so that all parties to projects, including private businesses, would be more assured of creating a scheme that was

successful for all involved.

He acknowledged the anxieties in the architectural profession over community architecture. "It could easily slide into a black economy provided by the not very good under a cloak of social idealism for those who want to obtain design on the cheap," but he added, architects should seek the opportunities it offered and not highlight the problems.

"Let's make 1987 the start of a new renaissance for Britain — from the bottom up", he concluded.

"Bottom up" proved to be the most popular phrase in the conference, first mentioned by Rod Hackney in his opening address, then Lord Scarman, the conference chairman slammed the prevalent "top down" approach to the regeneration of depressed areas.

The scope of the conference was taken beyond the UK by Dr Arun Ramchandran of the United Nations' centre for human settlements.

He spoke of the need to see the growing numbers of urban poor around the world as a resource rather than a problem, so that they can take a more active role in the planning and development process.

Focusing attention back on the UK, Mee-Yan Gheung — judge of the National Voluntary Organisation's anti-racist curriculum cited rampant racism, evident in the Government's lack of "positive equality" policies, as one of the problems aggravating inner city conditions.

Prince Charles — traditional values.

community groups and co-operatives in an attempt to bring them all under the council's control.

But he was echoed by other speakers in slamming national government for its red tape and bureaucracy which bogged down initiatives and sapped the energy

of community groups.

A lone voice in support of red tape came from George Nicholson, chairman of the Greater London Council planning committee, until it was disbanded.

He said that if communities wanted democracy more planning was needed not less, and used the destruction of communities in London's Docklands as an illustration of what happens when local democracy is abolished.

Andrew Kean, a Glaswegian member of the Association of Community Technical Aid Centres, gave his definition of "true community architecture".

He said that it had to be user-controlled, it had to be receptive to the needs and wishes of the community and it should be non-profit making.

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# Poly sets up new unit to research prison design

A RESEARCH unit to examine prison design has been launched at the Polytechnic of North London, led by Dr Raymond Moss who set up the Medical Architecture Research Unit more than 20 years ago.

The Prison Architecture Research Unit is needed, says Moss, because British prisons are mainly designed to the Home Office Pattern Book which, he says is "a collection of archaic designs".

"Prison design needs to catch up with the progress made in

recent years in hospital design, said Moss.

"A radical new approach to prison design is needed which must include evaluating buildings against both their original

By Lee Mallett

objectives and currently held standards of good practice.

"Many of our prisons fall below standards recommended by the EEC," Moss told *BD*.

"Britain consistently ignores the European standard minimum rules on material and moral

conditions that ensure respect for human dignity and instead keeps prisoners in squalid and degrading conditions.

"What I want to see is a build-up of our intelligence about prisons and what the users require," he said.

At present 20 new prisons are planned — one under construction in Milton Keynes is a "new generation" prison, imported from America. Two are conversions of existing buildings. The new generation prisons — one more is being considered — will feature small housing units surrounding central communal

facilities.

A recent report from the Public Accounts Committee was severely critical of the UK's prison stock.

Even in the 1990s, the committee reported, the Home Office would be tolerating conditions criticised as long ago as 1979.

The National Audit Office also recently reported that the staffing implications of design have not been taken into account. For example, the new Holloway prison requires twice as many staff and will eventually require three times as many.



# Irish architect's house at stake in struggle over listing inquiries

AN architect who accused the DoE for Northern Ireland of destroying his business now faces the loss of his home.

For more than two years Neill Kenmuir has been locked in an increasingly bitter dispute with the department over its interpretation of listing procedures. In May the DoENI insisted that all his inquiries to planning

unique process was imposed "to help Kenmuir and his clients".

But clients left because they felt it could damage their prospects, says Kenmuir, and his business suffered so that his building society has served him with a summons for not paying his mortgage.

In July, Paddy Andrews, president of the Royal Society of Ulster Architects, met the DoENI permanent secretary Dan Barry on Kenmuir's behalf.

Barry later wrote saying it had never been his intention to impose the routing procedure on all Kenmuir's communications with the department — only his inquiries concerning listed building matters.

But Kenmuir found this totally unacceptable as he estimates that 75 per cent of his business concerns listed buildings.

Kenmuir is waiting for the results of an Ombudsman's investigation and a planning appeal against aspects of the DoENI policy.

By John Wood

## Doing up Balham pool

Fancy a dip? These archaic, glass-reinforced plastic tanks, of a £1.2 million refurbishment scheme by Mansell, Baines & Elmfield Road, Wandsworth, will be replaced by 5m in length to allow for children's changing rooms, showers and toilets, and a new 25m x 12m pool. Four new 25m x 12m pools were built on at the old Balham building and separated from the main pool by a glass screen.

● Another improvement: the new pool will be covered by a glass screen, to the local library by Kings Road and Park.

## Refuge centre survey

A FORMER children's reception centre, designed by Evans & Shaw, faces a full structural survey and possible demolition, after the discovery of a badly leaking roof.

The 1976 building was commissioned by Camden Council as part of the trouble-torn Alexandra estate, itself the subject of a major inquiry over soaring construction costs.

Despite its compact organisation, the building was found to be unsuitable as a children's home and closed in 1981.

Camden have agreed to spend £120,000 on a new roof.

"Scale of the loss of the original fabric of the interiors is excessive and unacceptable."

Numbers one to six Raymond Buildings are Grade II listed and date from 1825.

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## Green light

PLANS by the Fitzroy Robinson Partnership to build flats, a snooker hall, health club, bar and restaurant on the old Odeon cinema site in Twickenham have been given the go-ahead.

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The proposals are the same as those for the gutted buildings, says the officer's report.

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## Lawyers try doing it by the book

THE extraordinary ease of Raymond Buildings, Grays Inn, takes a new turn when the 13-strong London Advisory Committee meets this week.

As reported by *BD* (May 23) numbers five and six Raymond Buildings were gutted without permission from the local authority on the instructions of Lord Justice Glidewell, one of the country's most eminent planning authorities.

The gutting of the building was only discovered when a member of the public found

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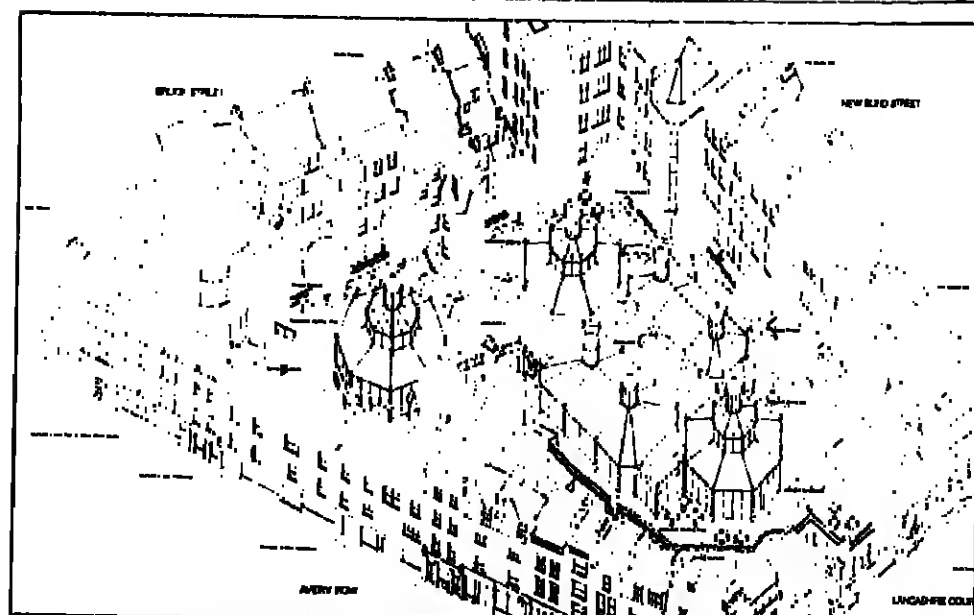
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These are Frederick Gibberd Coombes & Partners' latest proposals for a new shopping centre in the heart of Mayfair. The Royal Fine Art Commission has already voiced its disapproval.

The architects revised their scheme following a public inquiry last year and have removed two storeys of office development in the centre of the site over ground-floor shopping, replacing them with a single-storey "roof garden" including two restaurants.

Although the inquiry inspector more or less cleared the path for a development of the site to take place, he felt the

Co-operative Insurance Society and the City Corporation's scheme, designed by FGC, was too big. The RFAAC thinks the revised scheme is still too large.

The local conservation lobby, which does not want to see the 18th century street pattern disappear and fears that local traders will be pushed out because of high rents.

To effect, the scheme as proposed would form an extension to fashionable South Molton Street, attracting specialist and multiple fashion traders.

A detailed planning application is now before Westminster council.

## Shopping centres 'need redeveloping quicker' to survive

BRITAIN'S ageing shopping malls are not being refurbished fast enough to face newer competition. That was the blunt message of RIBA's conference "New shops for old" last week.

Although refurbishing has become a £1 billion a year industry, just 19 of more than 200 ageing shopping centres have been revamped, estimated Robert McKenzie, development partner of Edward Erdman, and work is underway at 18 more.

There were refurbishment proposals for about 40 other centres, he said.

Centres built between the late 50s and the early 70s were threatened by both out-of-town and downtown competition and customer disenchantment.

Peter Martin, deputy managing director of Grosvenor Developments, estimated that there were more than 200 shopping centres in Britain opened before 1971.

It was generally recognised that a centre had a 15-year life, after which it would need some degree of refurbishment — ranging from "major surgery" to the cosmetic.

Warning signs included falling pedestrian and car park

smoke voids had been vacated, car park deck above them shops units restructured, produce a better mix of uses and a food court introduced.

With clients demanding better finishes and a better shopping environment, it was, he said, "sadly no longer possible" to maintain 24-hour pedestrian routes through centres.

Chairman Douglas Spence disputed this. He found evidence of blocking off a whole area of a town centre night-time use of Manchester's Arndale Centre some 13 or 14 years "quite unwarranted; outrageous". He argued it was generally possible to keep a centre through a centre, perhaps by other means locked off, while inviting excessive vandalism and crime.

Paul Day of consulting engineers White Young was concerned that, though clients were demanding higher standards, cost-cutting was leading to a choice of structures that would limit scope for upgrading in the future. They should bear in mind that money spent building in flexibility could be a good investment.

Ex-Arup Associates architect Crolin Cole, now shopping centres director at design Crichton, argued the need for each centre to have its own identity, with independent shops given a special role in bringing variety to the shopping pattern of multiple.

She also argued for car parks to be drastically upgraded to become part of the improved shopping environment.

By Tony Aldous

counts, void units, a drop in the quality of tenants, increasing servicing costs and dated appearance.

The reasons for low refurbishment rates were complex, said McKenzie, but included a mismatch between revenue and responsibility for expenditure. Local authorities typically drew increasing incomes, but had no obligation to fund improvements; institutions were reluctant to spend on defensive improvements to protect their share rather than produce big increases.

John Watling of Leslie Jones Architects, describing his firm's refurbishment of the Frenchgate Centre, Doncaster, explained how an atrium and



Moving image  
Alan Phillips

## Cheap thrills

CHISWICK is a good starting point for cheap thrills. Outside what used to be Milos (the best example of ice-cream architecture in London) you hop on the 267, change to the No 65, and for 30p enjoy the top deck delights of the London Edge from Kew to Kingston. But you also have to suffer a little on the way, as will Thatcher's new leisure generation when they flock to the architecturally illiterate Brentford Fountain Leisure Centre which can't seem to make up its mind between being a duck, decorated shed or dystopian drill hall.

We are however saved as the old bus speeds up to 15mph, with a glance at St James' Church, Gunnersbury. Only by looking very hard will you notice that the last of the four corner buttresses has been hollowed out as it meets the wall head to receive the church bell. With such sublimely modesty and without recourse to the often gauche symbolism of the church tower, St James' is a fitting paradigm to the axiom "He who humbles himself shall be exalted".

## Quinlan the terrible

WHEN buses turn tight corners one always feels that the leading edge is going to connect, or at least I always pray for such in Richmond as the 65 swings past the Fitzcarrick (sic) Gym and Health Studio — "built with the estate agent in mind", and although I'm sure Mr Terry has not joined the honourable order of chivalrous wonders, he would most certainly win the leather apron for the mock-crowd-new-second-hand-let-it-look-like-houses-but-let-it-as-offices (see here) riverside development.

You might be able to soothe the public Quinlan old boy, but A.P. — the top-deck has been peering into this pile of pompous pastiche for the last 12 months, and he knows where you've hidden the reinforcement rods! Maybe you should stick to potato priors or whatever it is you do and leave the *fin* of this style to real architects.

Talking of which, on winter mornings, just opposite Nightingale Lane, the bus will slow enough for a glimpse of Marble House, which is good honest stuff, and a lovely plan. Even more — you look out over that Petersham Farm is still there. It is hard to believe that a Constable landscape can exist so close to London, and not a "tip-for-development" sign in sight.

## Voysey to Vauxhall

AT Kingston, the little boat-houses that line the Thames are very beautiful, as is the market square and medieval street pattern which has been almost

but not quite ruined. Back by car (Missey Manser's Renault does it in about two hours), you have just enough light left to hop on the 88 for 60p's worth of fun in the opposite direction — that is if you don't get run down first by the BEBB Brigade of Beaumont Road who seem to charge around in their Suzuki four-wheelers, eyes closed and hood down no matter what the weather.

The first stop is No 14 South Parade, where CFA Voysey has built an exquisite house for £494.50. Marking the western edge of Bedford Park, it stands out against the vanity of Shaw's Queen Anne revivalist and its true precursor to the Modern Movement. Four-square with the raised roof and studio creating an elegant proportion, the house is distinguished by the butter brackets which carry the eye up or down with the very thinnest of lines.

On and around by Turnham Green Station, Shaw's church is a manerist conceit with inverted dormer windows et al, but across the road, The Tabard is a splendid boozery, more so for the diligence of the owners in preserving the original William Morris tiles that line the public bar, than the pretend Art Nouveau that sneaks its head into the saloon.

## Virgin velux

ST MARY'S church in Stamford Bridge Road, however, has a new patron — Saint Velux. Hundreds of them litter what was once a grand roof, giving ventilation to a congregation of awaiting yuppies, George Benson LPs, and designer mums.

Up the road, virgins are spotted again, this time disguised as Richard Branson-Pickle's hq, with trompe-l'œil to draw attention to the lack of Goldhawk which leads to Shepherd's Bush green, and the saddest sight by far from the No 88. Swinging past the market (11m's), veiled Arabs and cockney traders in surreal juxtaposition, the bus runs down the tail of an eight mile queue for "Wogan" at the strange BBC theatre building, who all seem to ignore the fabulous entrance gate to the 1908 Exhibition, isolated but truly monumental, as it sneers at a cardboard facsimile of an Inter-City 125 train, which the borough has chosen to allow on the overhead walk.

Baywater Road and Holland Park Avenue are saved by trees, as is Oxford Street by Jon Weallan's Smithers & Leigh shop front. Its healthy anarchy is a foil to the pornography of "Fitch-Post-Modern", which, if nothing else, has found its rightful place in the semiotic palaces of Top Shop.

Perhaps Rodders should join me on the bus to my last stop, Vauxhall Bridge (I forgot my passport for Clapham & Co), to see a fine office building on the right which looks to proportion and scale for its elegance, and construction for a sophistication and repose that is rare in London. What a joy it was to discover that the authors were Chapman Taylor!

## BUILDING DESIGN

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## The Editor's Comment



## Key of the door

SHELTER'S 20th birthday ought not to be a cause for congratulations in one sense. The fact that its existence as a pressure group speaking for the homeless is as necessary now as when it started is a damning indictment of the country's general failure to get to grips with the most basic social provision (other than food). So happy birthday, Shelter — you will doubtless still be around in another 20 years. Here the congratulations must become muted, because it is increasingly obvious, at least to me, that the thrust of the housing lobby's main policies over the last 20 years have produced some disastrous results, as well as some successes. The principal cause of the failures is the dearth of encouragement of the private rented sector, and indeed the opportunity taken at every possible step to vilify individuals or companies engaged in this social business. They are all Rachmans. The consequences of this

line are now clear: anyone with an ounce of sense buys a flat or house as soon as they can scrape the mortgage together, not just because of tax relief, but because the cost of renting is so prohibitive.

In a recent report, Shelter suggested a system of local major-generalists who would dictate the price of every house to the country in their respective areas. Thus would the private housing system be brought to its knees. This report attracted minimum publicity because it was as manic in its conception as it would be impossible to achieve in practice. One can only feel sympathy for Shelter's forceful director, given some of her staff who are too good for this world.

There is one group of private landlords, of course, who are doing rather nicely out of the changes which Shelter has helped promote — those landlords, many of whom seem to be completely unscrupulous if not actively

dishonest, who provide bed-and-breakfast accommodation for people who turn up on the council's doorstep demanding to be housed (a system in need of radical change). What an irony that the little old ladies of yore are being replaced by speculators doing up hotels.

This can be combatted by encouraging the provision of all sorts of different housing types, particularly private rented accommodation for the young and mobile (and unemployed seeking jobs in new areas). Shelter should toughen up its residual prejudices and work for these changes. At the age of 20, it is time to grow up.

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# Generation's efforts slighted

From Hugh Clomp  
FORGET the irrelevance of the RIBA presidential election, there are far more important matters to be discussed in your correspondence pages.

It is not often that we are motivated to write the sort of letter that usually appears under the signature Disgusted, Tunbridge Wells, but the comparison between conventional and community architecture by Nick Wailes and Charles Kneivitt, occupying a full page last week (November 21), is an insult to those of us who qualified in the late 40s and early 50s.

True, "Homes fit for the Heroes" were difficult to achieve, but to imply that architects over the past 25 years have been preoccupied with style to the exclusion of the needs of the user totally ignores the efforts of those of us who survive within the existing system to provide decent homes in pleasant surroundings for people to live in, places for people to work in and for those in their declining years. Can the contribution of those who achieved the breakthrough of the Hertfordshire Schools and Alton Towers and have given so much time to organisations such as the Housing Centre Trust and the National Association of Almshouses be dismissed so easily?

If vast impersonal high-rise blocks are occupied by families with children, miles from a corner shop and surrounded by wall-to-wall grass or, more likely, tarmac, the fault is not that of the architect but the housing manager client, who has ignored the architect's traditional aim of "offering a range of solutions" within which are those the user never believed possible in his wildest dreams.

The strategic objectives of conventional architecture are rarely different from those of the community architect. It is only the tactical methods of achieving them, rarely within the control of the architect, that are different.

We all hope and trust community architecture will succeed, but let us not pretend the objectives are any different from those we have all been striving to achieve for the past 30 years.

Hugh Clomp  
Richmond  
Surrey

## Fleshing out the record

From David Rock  
THE three-page report (November 21) celebrating a decade of community architecture at the RIBA was interesting in its detail, if rather self-indulgent. However, other unlisted events also happened at the RIBA during those 10 years. For the sake of completeness, if not history, may I add four more:

● In June 1977 the Federation for Working Communities, set up at 5 Dryden Street (the first working community, which was founded in 1971 as a collective), combined with the RIBA to organise a one-day conference at the RIBA, which I chaired. "Working Communities and Urban Renewal" had Jack Straw (special advisor to the environment secretary) as the main speaker, and detailed six major case study presentations.

● The 1978 RIBA Conference at Liverpool, called "Living in Cities" and chaired by Raymond Andrews, devoted a plenary session to "working com-

munities", led by John Worthington. Bill Reed spoke about local authority community work in Birmingham, and Margaret Simey explained her work with the community in Liverpool.

● In 1979, the organisation now known as the RIBA/Building Industry Trust awarded me a fellowship to study and document town development trusts, then an idea in its formative stages. The trust subsequently published my book *The Grassroots Developers*, a manual about how communities can be their own developers and manage their environment.

● In October 1980, the RIBA and I organised a one-day conference and workshop called "The Grassroots Developers". The keynote speakers were the environment secretary, Tom King, and Leon Sullivan, former civil rights leader with Martin Luther King and leader of black community self-help housing action in the States. This was a charismatic man and a conference for which Tom King spent a morning at the RIBA. The workshop/market-place in the Henry Florence Hall had stalls from about 15 community trusts in this country and abroad.

Just for good measure, I can add that Rock Townsend are presently preparing an exhibition "Making Things Happen: how architects can become involved in urban regeneration" to be on show at the RIBA from January 13 to February 6 1987.

David Rock  
London W1

## Footnoting the background

From William Mahoney  
MY thanks to Nick Wailes and Charles Kneivitt for the much-needed glossary of community architecture (November 21).

It is not the function of a glossary to provide a historical background so I will insert a few "footnotes".

Conventional architecture is only 40 years old compared to the rest of the history of buildings. If the column had been headed "Post-war town planning control" or "State interventionism" a few hackles might have been raised.

The definition of "expert role" under the heading "Community architecture" could have included those dreaded words "spec builder" — that malignant creature who provided most of the pre-war homes, in a manner which is still in demand.

The "primary motivation" for those suburban-semls with their gardens was "return on investment" and "narrow self-interest".

W Mahoney  
London W4

## Truth lies in between

From David Appleby  
THE comparative definitions of "conventional" and "community" architecture are reportedly to be published in a book next year (November 21).

I would advise the authors to look at this whole thing again while there is still time to correct such an ill-considered and misleading document which does no service at all to so-called community architecture.

The impression one has on reading the text is of the

invention of two imaginary worlds — conventional architecture, all bad; community architecture, all good. The truth is that the great majority of architectural work lies somewhere between and will always do so (except perhaps in the USA or USSR). The characteristics so neatly listed are themselves independent alternatives.

The classification into conventional and community is not a useful classification of architecture. The attempt to use it conceals the real problems we must confront, and suggests a simplistic solution to socio-economic problems.

There may be a genuine and gradual transition in society from institutional to communal decision taking. As this slowly develops architects will find communal instead of private or institutional clients becoming more widespread and in some cases they may help in the process.

Architects must not, however, arrogantly suppose that they alone are bringing this about. This is falling into the same trap as all architects who have invented their own "ideal" societies to be brought about by

architectural means. The idea that all but "community" projects are socially or architecturally bad is dangerous nonsense.

## Meccano monstrosity

From Peter Bostin  
EVEN in these days of sod-everybody architecture, the Meccano cathedral on the front of 80 November 21 shocked me.

Canary Wharf Tower is just about the nastiest big thing I have seen for many a long year. The fact that it is American-designed comes as no surprise whatsoever. No doubt the American public rejected it for anywhere in the States, even the middle of the Arizona Desert.

On the other hand, of course, it will be at home with the rest of the garbage-architecture one sees so frequently nowadays in the architectural press. Doesn't anyone care? Doesn't anybody scream about debasement; where are the fierce articles

about crap taste and crap designers, where are the Gilbert Hardings and the Muggengides? Designing building, no doubt.

## Change of tack

From Jeffrey Atkins  
IN continuing your nautical theme (November 21) I'd like to draw a parallel between the RIBA presidency and the BBC programme "Howards Way".

The tally of deaths, incidents and legal battles associated with sailing during the present series seems to be considerable, yet only one incident related to water skiing has occurred.

It is clear that by having a high powered and manoeuvrable boat, not only is the greatest safety ensured for the captain an opportunity is presented to remove the "dead wood" (or members of the cast with poor accents) in a short and decisive way.

Does the RIBA have to sail so close to the wind, or will it

become becalmed in the lee of the Atlantic?

## Pleading for worse

From John Whitehead  
YOU quote Michael Heslop as "impassioned plea" at the RIBA Country Planning Association Conference for the Environment to play a more creative role in the inner city areas (November 21).

Oh dear! Aren't they enough already? "People be persuaded to go back to the inner cities, but what good for them — a competitive environment," he said.

John Whitehead  
Cambridge

Letters should be typed and spaced on one side of the paper, sent to: The Editor, *Building Design*, 30 Calderwood Street, London SE18 6QH. We reserve the right to cut or amend correspondence.

# Last thoughts on the election

From George Oldham, city architect, Newcastle upon Tyne  
THE presidential contest appears to be billed as "Raymond the Reasonable" versus "Rod the Ruthless". There is an element of truth in this oversimplification and members' preferences appear to be polarising around the issue as to whether the problems besetting Portland Place are best solved by the application of balm or surgery.

As one who has likened the process of seeking change within the RIBA establishment to that of fighting blanchmange, I know which I believe to be more appropriate but you pay your money and you take your choice.

However, there is also the question of the public face of the RIBA represented by the president, and in this context I am not convinced that the stereotype

fits. Indeed, from my own experience Rod Hackney has demonstrated a charisma and statesmanship very much at odds with the image presented by his detractors.

The pity is that the unprecedented personal denigration directed at Hackney has obscured the fact that the membership can choose between two candidates with considerable personal qualities and abilities. Having had the pleasure and benefit of serving alongside Raymond Andrews and Hackney in RIBA affairs, I hold Andrews in high regard but feel that on balance Hackney would make the president we most need at this time.

I trust that following the election, whoever wins, some hasty fence mending will take place — it would be a great pity if either the talents of Hackney

and David Rock on the one hand or Andrews, Fred Roche and Owen Perry on the other are lost at the highest level within the RIBA.

From Professor David Gosling, University of Sheffield  
IT seems a great pity that the election debate has been centred upon a clash of personalities rather than the very serious issues facing the institute. Both candidates have quite different but valid skills to offer.

However, as a past and present council member, and someone involved in architectural education, the decline in membership and the apparent lack of interest and disaffection of students and young architects concerns me greatly. If this decline continues the profession will lose its learned society and, more seriously, its credibility with the public.

The euphoria expressed by some that the Architects' Registration Council can fulfil the functions of the RIBA is clearly misplaced. At present, the council and major committees of Arcuk are dominated by nominees of the RIBA and, as such, it

is an undemocratically composed body. The RIBA, on the other hand, is a democratically elected body representing the profession. If people choose not to vote in the council and presidential elections, they only have themselves to blame for the quality of their representatives.

The reason why, after careful consideration, I decided to support Hackney's candidacy was that I feel the whole structure of the RIBA is in need of change and particularly needs to reflect the views of the younger members.

Hackney has indicated his support of architectural education rather than the pursuit of the draconian policies of the Government including school closures.

David Gosling  
Sheffield

From Kenneth Newman  
THE election for presidency is about restoring the integrity of architects. This is a matter of extreme urgency to any small private practice outside the affluent South-east.

The architect in such a practice is in direct competition with unqualified designers, and

to a lesser extent with his colleagues in local government, neither of whom carries his responsibilities. Not so his contemporaries in medicine, dentistry and pharmacy where only registered persons may practice.

The hierarchy at Portland Place, responding to the old boy network in the South, where the present recession is unknown, has done nothing to restore integrity.

The integrity of the architect can only come about when he is once again restored to the same lawful position as his colleagues in the medical profession. The elected candidate will ensure the indebtedness of small private practices if he makes, as his top priority, achieving a change in the law of the land to prevent the submission of any building proposals other than by registered persons. Better still something on the Spanish model (*The Architect*, October 1986).

As a sailing man, who is Raymond Andrews to give about the dangers of rocking a boat to Rod Hackney. He should know better than most that a stable boat will withstand rocking and perhaps his advice is an admission of instability.

The trouble is that the RIBA has raised the centre of gravity so that our "boat" is top-heavy. The remedy, as any practical sailor will know, is to remove the top weight and place more ballast in the bottom where it belongs. As Hackney has promised to do just that he has my vote.

Kenneth Newman  
Nottingham

## All power — to the State

From Shirley-Anne Hardy  
I AM an outsider to the study of classical architecture — but not to the study of classical economics. And I am stunned that Professor Broadbent (November 7) should equate with the achievements of a communist or socialist regime "the equal right of all to the occupation and use of the land".

The progress of this right would have dismantled state power long ago, even in this country, by at least nine tenths! What Communist doctrine allows a not the equal right of citizens to the occupation and use of the land, but the overriding of all others' right by the state.

It seems to me that architects of whatever school should take a course in classical economics — since access to the use of land precedes all architectural construction upon it.

Shirley-Anne Hardy  
Pittlochry  
Perthshire

## Royal remarks

From David Atwell, director, public affairs, RIBA  
I AM writing somewhat belatedly to correct the unfortunate and rather misleading impression created by your headline "Institute balks at inner city speech" above your report of reactions to the Prince of Wales' National House-Building Council address (October 31).

Far from criticising the Prince, the RIBA has wholeheartedly endorsed his statements regarding the need to build in the inner cities and to protect the green belt.

In addressing the reasons why the housebuilders prefer green field sites, I suggested that the Prince's remarks might be more appropriately addressed to central government rather than housebuilders. I also drew at-

tention to the fact it is more expensive to build in the inner city than on greenfield sites.

## Clarifying the course

From Richard Graham  
YOUR short article on Hull School of Architecture (November 21) seems to have picked up a few items of misinformation on the route from mouth to print.

Firstly, the courses are certainly not without structure; they simply do not follow a year structure. Nor are the courses without formal lectures — there are lecture courses from first to fourth years, much as in other schools, covering such diverse subjects as energetics, key ideologies, structures, sociology and that unfashionable subject, construction — which even community architects need for competence.

Most important, the article gives the impression that the whole of the Hull school staff, students and philosophy, is single-mindedly committed to a very narrow definition of community architecture. This is not the case; 85 per cent of the students choose to be involved in design of different kinds — landscape, computer-aided work, architecture of developing countries and even elitist architecture.

The teaching of architectural sociology and community politics is only a subsection of the school's architectural course as our courses on urban renewal, perception, the 18th century house and even medieval castles!

Richard Graham  
Hull

## Sizewell shenanigans

From John Carter  
I HAVE only just caught up with *Scorpio* (November 7) and in particular the remark: "What a pity the Institute cannot inject the same honesty into its current thinking on nuclear power".

Could you enlarge on that? The institute did in fact lodge an objection to Sizewell B. I wrote it.

What have I missed in the shenanigans at 66PP?

John Carter  
Oxford

## Editorial judgment

From Gerald Beale, managing director, RIBA Magazines  
THE board of RIBA Magazines is concerned about the inaccuracies in your report of David Pearce's resignation (November 28).

The true situation is that senior personnel are always engaged upon a six-month trial basis during which they and the company are able to assess whether they wish the appointment to become a permanent one. This is the first time that Pearce has held a comparable position in a company and he explained to me that he is anxious to return to his preferred occupation of being a freelance writer at a time convenient to both the company and himself.

Obviously another change of editor of *The Architect* is unfortunate and something which we would have wished to avoid but it is an inconvenience not an embarrassment and the reasons you have stated for his eventual departure are wholly misleading.

Gerald Beale  
London W1

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## Civic Trust Awards

MORE than 80 private architectural practices and 30 local authority architects' offices feature in the 1988 Civic Trust Awards, announced this week. There was also a record number of entries — 1,123 — and the largest number of full awards since the trust adopted its present policy of alternating years for shire and metropolitan counties.

This year was the turn of the shires, with non-metropolitan Scotland, Wales, Northern Ireland, and Isle of Man and Channel Isles. Part of a two-year cycle of awards sponsored by McDonald's Hamburgers, it also produced no fewer than 126 commendations.

The range of winning schemes is staggering — new buildings, old buildings, infill, restoration and re-use; pedestrian streets and footbridges; hospitals and hospices; market crosses and supermarkets; sheltered housing and sheltered workshops; canals and country parks; gate-lodges and gazebos.

A sense of continuity with a huge jump in scale is provided by water-power. Here we have windmills in Hertfordshire and County Down but also — their modern counterpart — the largest pumped storage hydro-electric plant in Europe, buried under a mountain (and Gibberd Coombe's landscaping) at Dinorwig, North Wales.

Introducing the awards, Michael Middleton, in what will be his last offering before he retires as the trust's director, commented that few of the 156 selected schemes were multi-million pound jobs. "Quality does not necessarily turn upon spending power — a poor building takes as many bricks as a good one — but upon employing a good designer and giving him the right brief from which he can formulate a valid design concept."

Two trends noticeable in the new buildings are the return of the pitched roof — quite often glazed — on buildings where it would not have been considered 10 years ago; and the way in which the better retail chains have now discovered that interesting architecture can be a considerable public relations asset. Sainsbury stores chalk up two wins: one awarded (4.5/5) at Canterbury and a commendation (in-house architects at



Sainsbury supermarket, Canterbury, Abends Burton & Koralek.



Clifft House, Castle Pines, Belfast, Kennedy Fitzgerald & Associates.



Hospital of St John Hawkin, Chelmsford, Mitchell & Partners.



County offices, Caernarfon, Gwynedd County Council Architects Department.



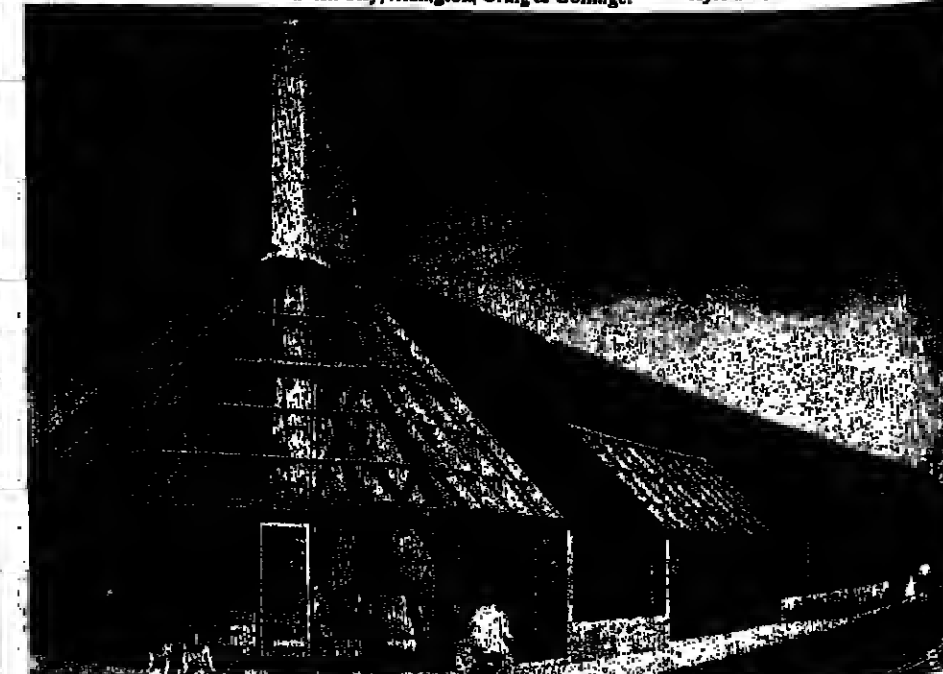
The Courtyard, Montpellier, Cheltenham, won the Stanley Partnership, an award in the Gloucestershire area.



Watermill conversion, Lemsford, Welwyn Garden City, Aldington, Craig & Collinge.



Kyleak Bridge, Scotland, Ove Arup & Partners (Scotland).



Caley House, Kilmarnock, Ayrshire, Irvine Development Corporation Architects Department.

York). Do we detect the influence of Dame Jennifer Jenkins, until recently a JS director?

The full awards, listed below, do not tell the whole story. Many architects' offices do creditable, sure-footed work year in, year out, but for one reason or another — cost constraints, timing, assessors' subjective preferences — fail to hit the jackpot. A regular appearance in the "Commended" credits sometimes say as much as the one-off full award.

Thus the Alex Gordon and Lock-Necreus Hill practices in Wales, Arrol & Snell in Shropshire, Broadway & Malyan (Surrey), Brook Carmichael (Cheshire), Derek Latbam (Derbyshire), Keith Proctor (Devon), and Richard Gibson (Shetland) all chalk up two commendations — as, among public offices, do Mid-Wales Development and the Western Isles Council. For Gill Dockray in Cumbria/Lake District, this must be the year. Their work receives one full award and two commendations. Irvine Development Corporation gains one of each.

Tony Aldon

## Winning designs not illustrated

Ooklands, office block, Nethershead, Hamilton Associates; Uploads conference training centre, High Wycombe, Edward Collier Architects; Bernard Stanley Centre, Popworth, workshop, Bird & Tyler Associates; Bell School of Languages, Language classroom, Cambridge, Cambridge Design; Esigine Street, Chester, pedestrianisation, Chester County Planning Department; Penrith pedestrianised market, Bell District Council Architects; Green hill and the Dale restoration, Whitworth, Sebire Allsopp and David Latham & Associates; Crematorium, Poole, Poole Borough Council Architects and Planners; Nicos Centre, Cirencester, old people's centre, MacCormac Jamison & Pritchard; Brimfield House, Farnborough, offices, Arup Associates; Little Alnham Street Development, Winchester, Plincke, Leaman & Browning; Doctor's surgery, Bodham, Richard Smith; Adelphi Club, Ryde, Isle of Wight County Architects; Langdale Estate, Ambleside, Unwin Jones Partnership; South supermarket, Windermere, Gill Dockray & Partners; Victoria Albert Square redevelopment, Sligo, Wales, Wales & Rogers; Princess Alice Hospice, Eder, Hutchinson, Locke & Mack; Knebworth Park Centre, Stevenage, Harker, Aukett Associates; Kelly's Harbour, North Uist, Western Isles Islands Council; Dinorwig Power Station, Llanberis, CEB; Amalgam Hill County Down, Ian Sheehy; St Peter Port, Brantley; Aylward, Sandwith Assoc.

## Scorpio

### Rubbing shoulders at Portman Square

ASSORTED academics, former Bright Young Things, landed gentry, hacks and hangers-on crammed into the distinguished maze of rooms that make up the RIBA Drawings Collection in Portman Square to say farewell to John Harris, curator man and boy, for the past 30 years.

The unfortunate circumstances of his sudden departure did little to detract from the celebrations. Everyone felt the RIBA had been the loser in this case — and some simply wished Harris a long life — longer than all his enemies.

Joseph Rykwert looked as happy as ever, presumably recalling fond memories of his early years as librarian at Arup Associates.

Cedric Price spent most of the time cowering in the corner trying to remain unnoticed.

Gavin "Vote Hackney for president" Stamp told everybody what an incompetent shower run Portland Place.

Stuart Lipton, towering over everyone, was there because no architectural function is complete without him these days.

Jill Lever, deputy curator and the RIBA's answer to Brenda Dean, was charming as ever; bearing no apparent grudges after being passed over for Harris's job.

Colin Ament, a regular visitor to Portman Square, stood by the door impersonating a coat stand.

And if everyone contemplating the glorious years of Harris' rule was wondering how it was that the Drawings Collection ever came to be in Portman Square in the first place, the answer was soon to be revealed. Who was it that Harris met up with in the southern Italian town of Lecce to plot the exodus from Portland Place?

Why, none other than Anthony Blunt.

## Traditional values

ALVIN Boyarsky and the Architectural Association are turning over a new leaf. Once the home of radical avant-garde types, it was last week housing the homely "Building Communities" exhibition ("The best exhibition they've held there since the last one organised" — *Clare Gump*).

Prince Charles himself visited Bedford Square for a buffet lunch, and of course to see the exhibition. Alvin was obviously enjoying himself in his new role as host to royalty, though for some reason he seemed less than enthusiastic about the community architecture display.

Tradition is making a further comeback at the AA next year — an exhibition is to be devoted to the work of Goodhart-Rendel, no less. Eat your heart out, Nigel Coates!

## Burying the hatchet

THE RIBA and *The Times* last week launched the Community Enterprise Scheme for its

second year, with the Prince of Wales again patron and Rod Hackney chairman. For some reason the official Press release fails to say why the institute is not administering the scheme this year. Could this have something to do with a series of fallings-out between Portland Place, Murdoch's organ and Kensington Palace?

The advantages of the scheme seem to have overcome the little local difficulties, galling though it was for Larry and Patrick to find their least favourite presidential candidate once again in the driving seat.

## More light than heat

WHAT fun we had fire testing one of Ronan Point's sister blocks last week! The only problem was getting a really good fire going. The test should, according to BRE experts running the affair, have resulted in a dramatic scene with smoke pouring out of shattered windows.

The reality was a whimper rather than a bang. After a quarter of an hour, a polythene sheet serving as a window in the third floor flat chosen for testing had failed to melt. It melted after 17 minutes, but then things became less dramatic. The fire was so pathetic that a BRE official took a 5-litre container of white spirit over it after about half an hour, in a vain attempt to revive the flames.

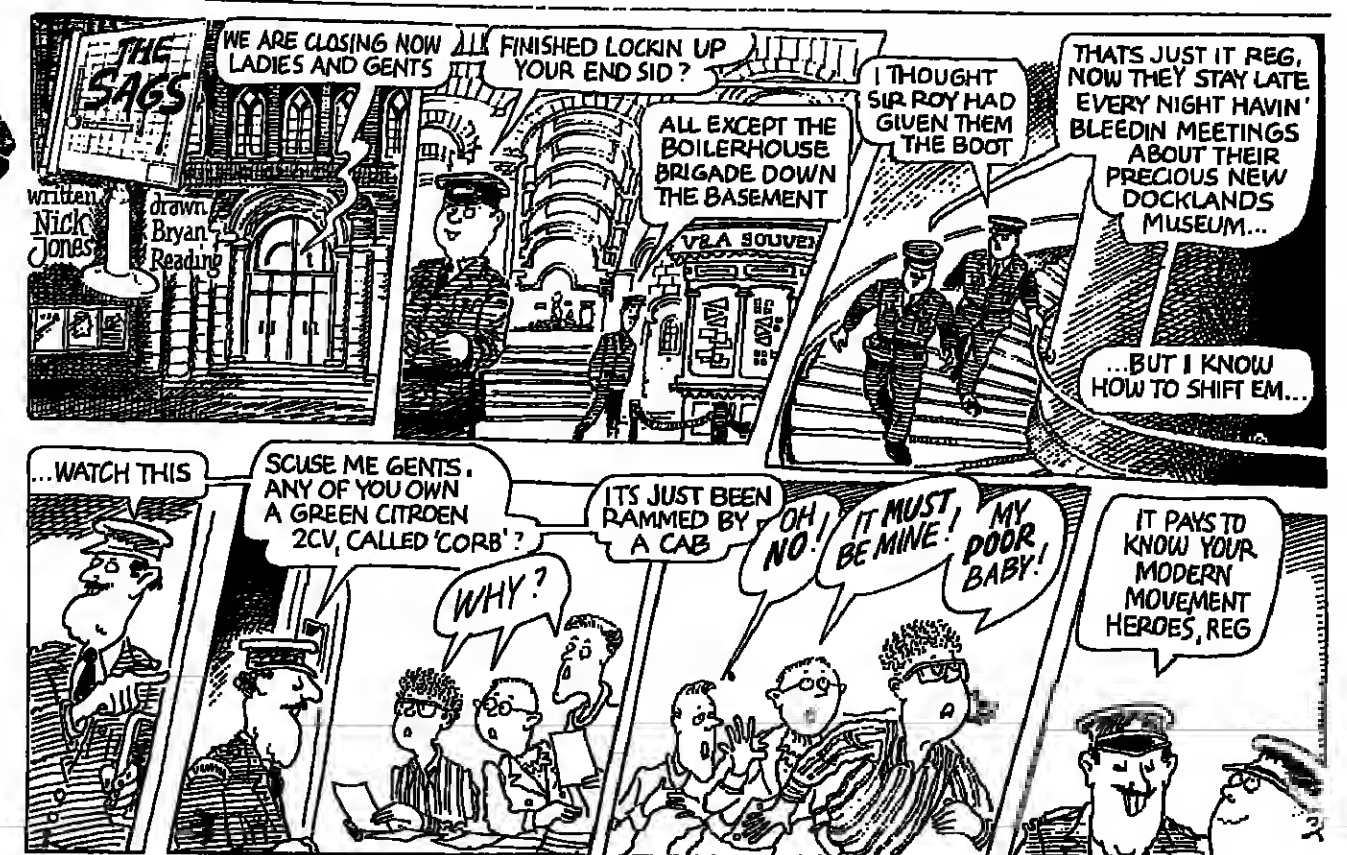
The odd thing is, two previous tests on the same block had to be ended prematurely when the flank wall's destruction limits were exceeded.

Still, who cares. The exercise is only costing £200,000!

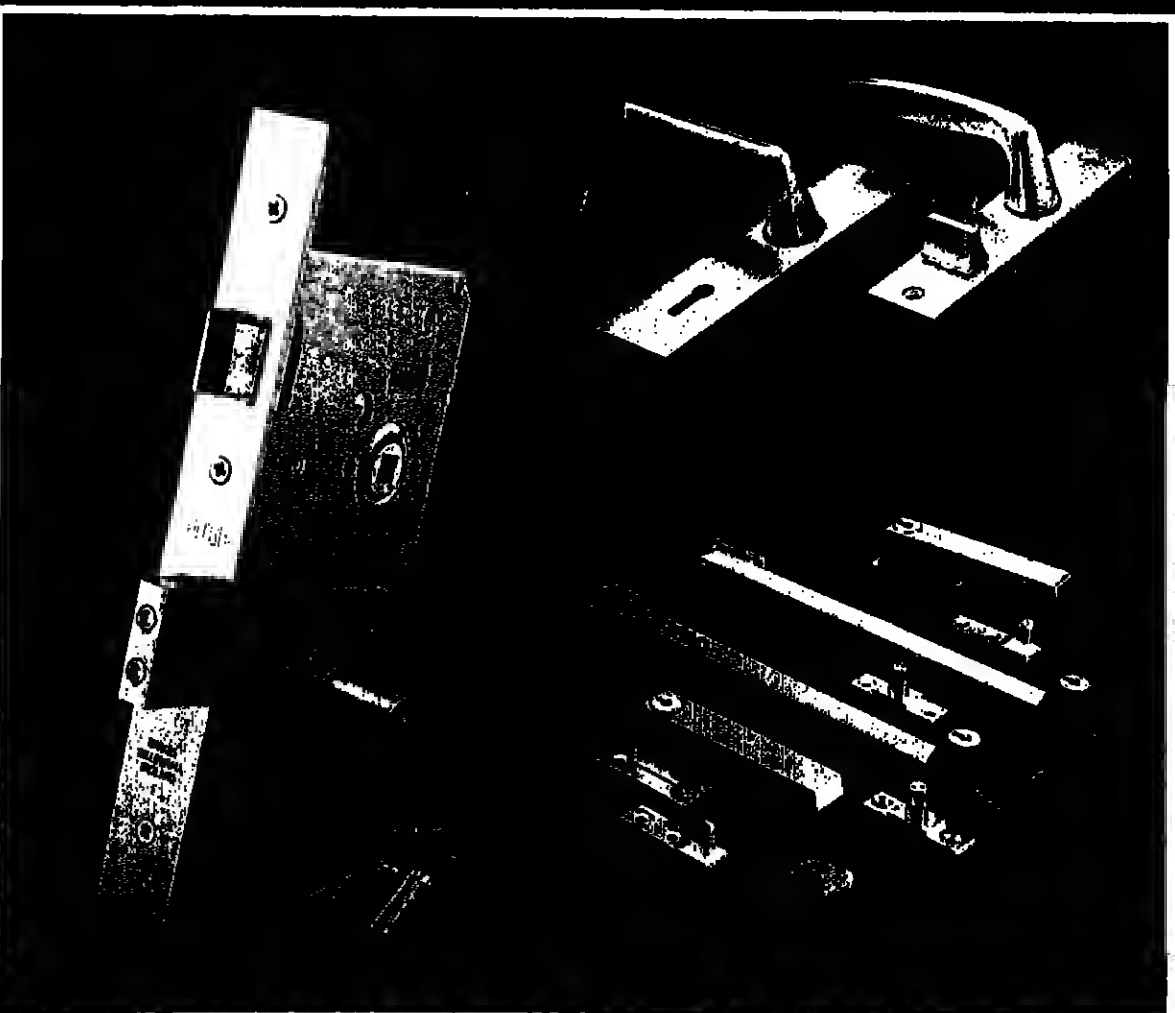
I SEE my old friend David Pearce has decided he "prefers the life of a freelance writer" to being editor of *The Architect*, or at least that was what the official line was from Portland Place last week. My asking price for the job? £50,000 a year, an office in Milton Keynes, and a contract clause giving me the right to refuse to speak to members.

## 10 years ago

ARCHITECTURE is the profession to enter if you're interested in beauty competitions, it seems. This year's Miss World competition included well-known architects as finalists. Fontaine, 20, from Ecuador, and Jenny Vinas, 17, from the Dominican Republic, plus the allegedly fully-qualified Liga Ramos, 23, from Costa Rica. Sadly, none of the three were among the winners. *Building Design*, November 26, 1976.



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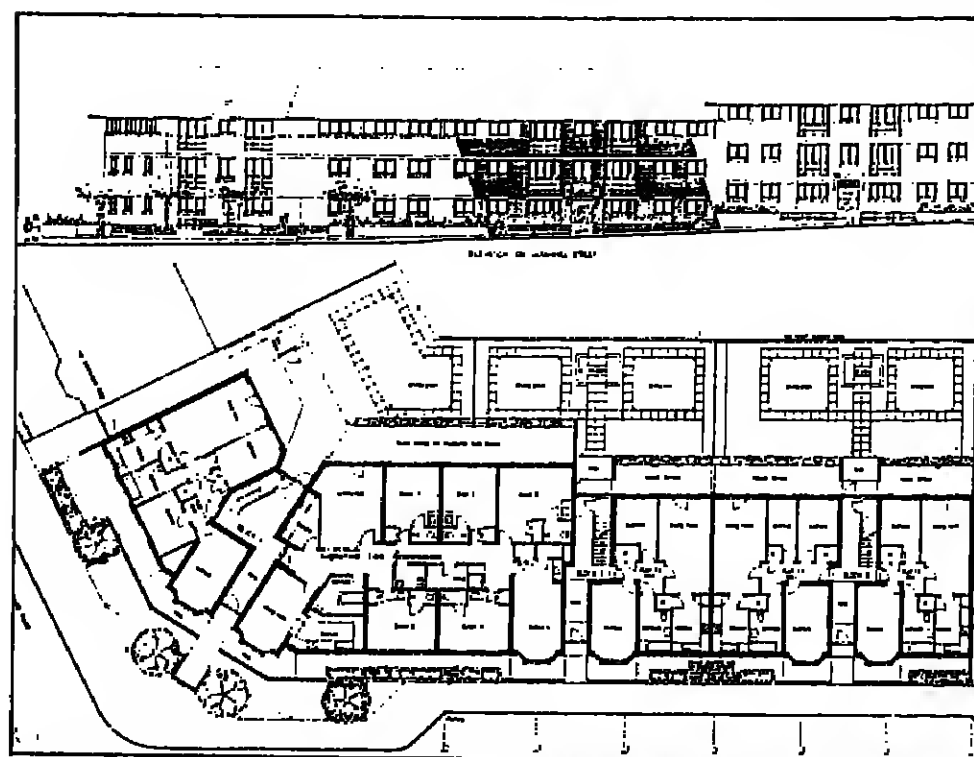
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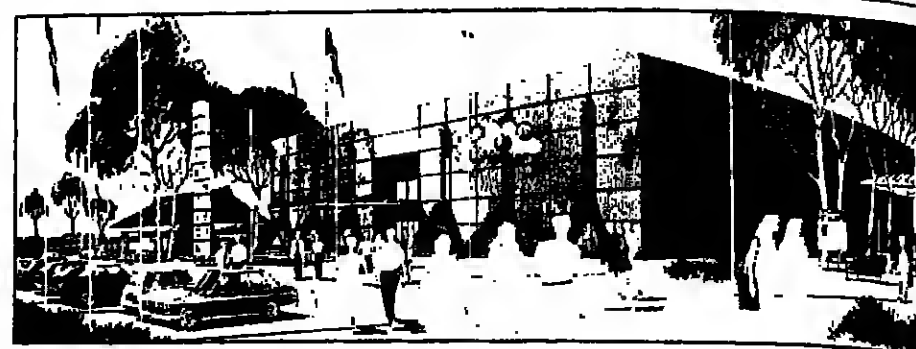


## News in pictures



Work has recently started in Glasgow on three infill blocks designed by the Homes Partnership for Govanhill Housing Association. The new complex comprises 20 flats and six bedsit

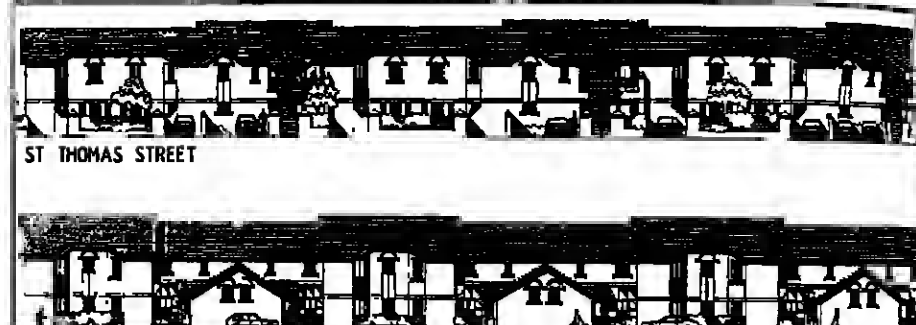
augmented care units for the elderly. All ground-floor flats will be developed for disabled use with direct access to raised garden terraces at the rear. Construction work should be finished on site in summer 1987.



## MWT design Ipswich addition

MWT Architects have unveiled plans for a major new development of housing, shopping, exhibition and leisure facilities west of Ipswich, to be known as Chantry Vale. As part of the multi-million pound scheme, developer Wilcon Homes has offered to build Ipswich a 2,000sq m

exhibition centre (above) without any cost to ratepayers. Local authorities have already given their support to the scheme, which has been submitted to the Development Committee within the latest Suffolk county structure plan "Towards 2000".



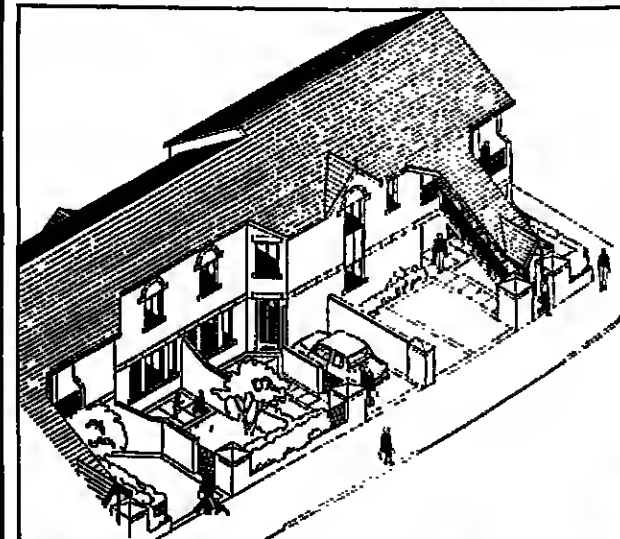
## Bolton winner

The winning scheme for a competition organised by Bolton council (above and below) was designed by the Alexander Robertson Partnership of the Wirral, Merseyside.

Architects in the RIBA north-west region were asked to submit schemes for low-cost housing or flats.

The shallow cleared site was unsuitable for conventional modern housing, and the judges praised the winning scheme for its "imaginative solution to the problem".

The scheme will now be developed by the Portland Housing Association.

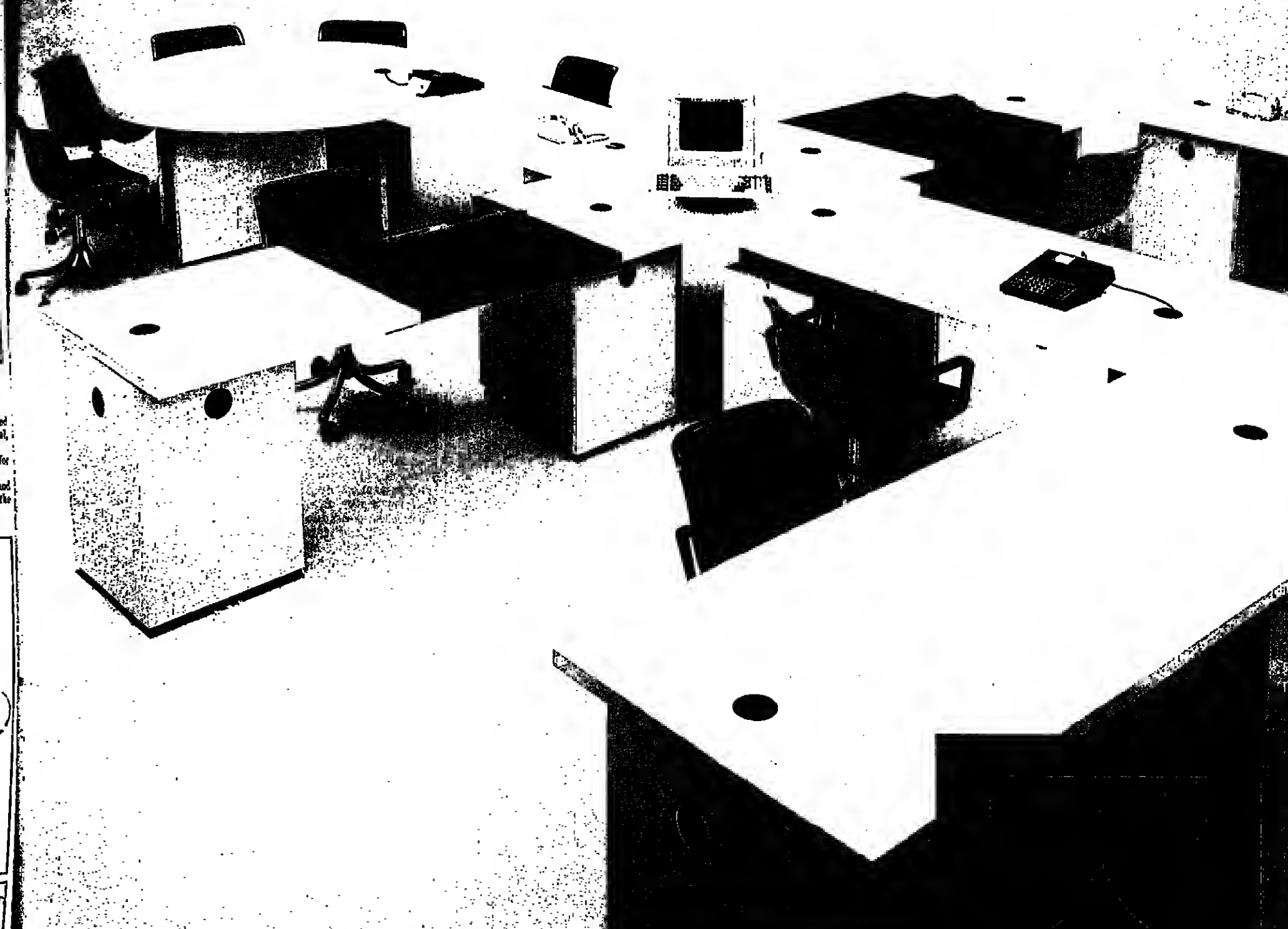


Architects John Assal & Partners have won planning permission for a £1.1 million housing development in Wimbledon (above). The new scheme will provide 23 one- and two-bedroom apartments on a site joining South Park Road and Trinity Road, previously occupied by six Edwardian semi-detached houses. Local planning authority Merton council has commended the houses as being "worthy replacements" for the Edwardian properties. Work is due to start in December and completion is expected next autumn. Prices for the flats will range from £65,000 to £95,000.

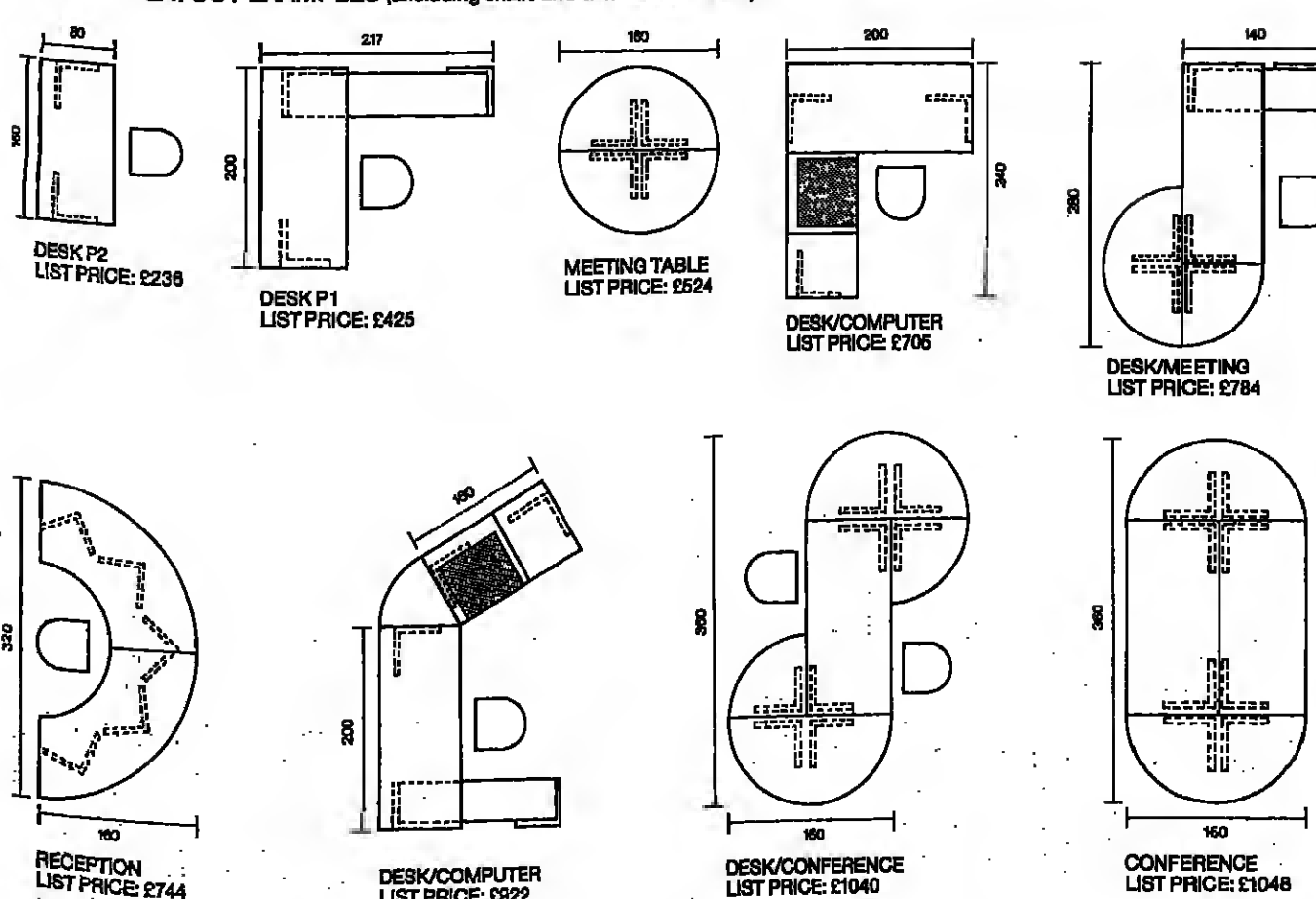


## Magpie lands in London

Magpie the innovative furniture manufacturer has opened a new London showroom off Tottenham Court Road (above) to display its latest range of modular based furniture. The showroom itself is necessarily bare, with the centre of attraction being the company's furniture, which will fit out the complete office from reception area to conference room. Magpie is at 5 Percy Street, London W1.



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## Who pays for which contract delays?

THE High Court does not hear trials of actions during the long vacation from July 31 until October 1. So, while waiting for the stock of transcripts of judgments to build up again, I have taken the opportunity to deal with a common and often hotly-contested issue.

### Contractor's "culpable" delay interrupted by non-culpable delays

ONE issue which frequently crops up in practice, but which has not directly been the subject of a court decision, concerns the extension of time clauses in JCT 63 (clause 23) and JCT 80 (clause

25) in a situation where the contractor has overrun the completion date, and is in what is sometimes called a period of "culpable" delay — and so is liable to pay liquidated damages. If during that period an event occurs of a non-culpable nature, which adds to the delay and which falls within the description of one of the events which entitle the contractor to an extension of time, are the extension of time clauses applicable?

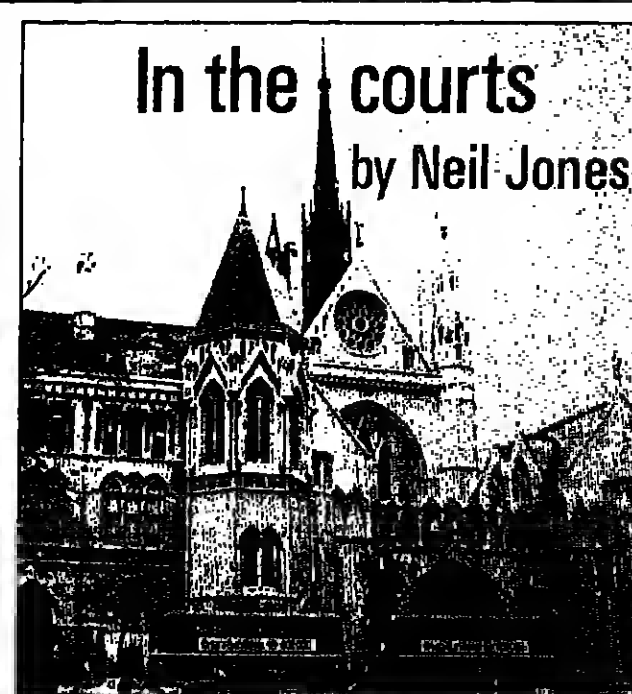
The event could be a delaying event brought about by the act of the employer or someone for whom the employer is responsible, for example: late information or instructions from the architect to the contractor; the activities of other direct contractors employed by the employer; the issue of variation instructions. On the other hand, the delaying event may be neutral and not attributable to employer or contractor, for example: exceptionally adverse weather conditions, strikes and so on.

A typical situation  
A typical situation in practice would be where the contractor

has reached the completion date, or an extended completion date, and has not yet achieved practical completion. He then runs into a period of "culpable" delay and is liable to pay liquidated damages. Before the employer can deduct or recover liquidated damages it is necessary for him to obtain from the architect a certificate of non-completion (clause 22 of JCT 63; clause 24.1 of JCT 80).

The architect issues the appropriate certificate so the employer can claim the damages. If the delay is of some length, it is probable that the architect will issue the certificate before practical completion, while there are sufficient funds in hand from which the employer can make the deductions. However, during this period an event occurs which is not the responsibility of the contractor, but which falls within the events listed in clause 23(a) to (l) of JCT 63 or the relevant events listed in clause 25.4 of JCT 80, for which, in proper circumstances, an extension of time to the contractual completion date could be made.

The issue  
The question is, are these clauses



worded so as to provide for an extension of time when the delaying event occurs after the expiry of the contractual completion date and/or after the issue of the non-completion certificate?

If the answer is "no" and if the delaying event is one for which the employer is responsible, the effect will be that the contractual completion date, after which liquidated damages can be claimed, will cease to be binding upon the contractor and the employer will lose his entitlement to damages.

This is because of the well-established and fundamental principle of law expressed in a number of cases, that if the non-performance by one party of a contractual condition is due to the act of the other party, then that other party cannot benefit from it. For example, in the case of *Dodd v Churton* (1897) (a case in which the employer, by ordering extras, necessarily delayed the works), Lord Esher MR said:

"The principle is laid down... that, where one party to a contract is prevented from performing it by the act of the other, he is not liable in law for that default. Accordingly, a well-recognised rule has been established in cases of this kind, beginning with *Halse v Essey*, to the effect that if a building owner has ordered extra work beyond that specified by the original contract, which has necessarily increased the time requisite for finishing the work, he is thereby disentitled to claim the penalties for non-completion provided for by the contract."

If the delay is of a neutral kind (bad weather, strikes etc) different considerations may apply. If the view is taken that, had the contractor not himself been in delay, the neutral event could not have caused delay, an architect may choose not to award an extension of time, even if he has the power to do so.

If the answer is "yes" and if the answer to the question is "yes" and if the delay is one for which the employer is responsible, the architect has a mechanism by which an extension of time can be granted and the employer's claim to liquidated damages will remain intact, to the extent that the delay is not covered by an extension of time.

If the delay is a neutral one then, as suggested above, it will often be reasonable for the architect not to award an extension of time in any event. This is stated as a generalisation only, as there could be particular circumstances where an extension of time may be warranted. For example, take a delay caused by a statutory undertaker working in pursuance of his statutory obligations. He discovers that existing mains, to which a new service is to be connected, unexpectedly require replacement which causes delay and which would have caused a delay whenever that point in the works had been reached.

The arguments  
This contention, put forward by contractors, deserves careful consideration. Even if rejected by the employer or his architect, it ought not to be regarded as frivolous. It appears to have an element of support from a number of well-known commentators. Duncan Wallace QC, in his 1979 supplement to the tenth edition of *Hudson's* says:

"One further matter not covered by the vast majority of extension of time clauses is whether they are intended to operate during a period of culpable delay in respect of matters which, but for the contractor being in delay and already liable to liquidated damages, would entitle the contractor to an extension... This is by no means academic. Contractors seek to argue, for instance, that once in culpable delay no variation, for example, can be ordered without invalidating the liquidated damages clause, since no machinery exists to deal with the matter... No UK standard form as yet contains such provision."

Emden's *Building contracts and practice* (eighth edition) comments upon clause 23 of JCT 80:

"But clause 25 does not relate the delay occasioned by a relevant event to the completion of the works; the material factor is that completion of the works is likely to be delayed beyond the completion date. Plainly, when the completion date is already in the past the occurrence of a relevant event cannot be likely to delay completion of the works beyond that date."

If this is accepted as being correct, it will be appreciated that after the completion date has passed, a later date as the completion date cannot be fixed under clause 25.3.1; the only hope is that the matter can be reviewed under clause 25.3.3 when practical completion has been achieved. Such a situation does, of course, run contrary to the aim of clause 25 to give the contractor, at all times, a known completion date."

Vincent Powell-Smith and John Sims in their book, *Building contract clauses*, say: "However, the wording introduced in 1963 was as follows: 'Upon it becoming reasonably apparent that the progress of the works is delayed, the contractor shall forthwith give written notice of the cause of the delay to the architect, and if, in the opinion of the architect, the completion of the works is likely to be, or has been delayed beyond the date for completion... then the architect shall grant a fair and reasonable extension of time.'"

"This would suggest to us that if a delay occurs after the date for completion as currently fixed under the contract, the architect is under no obligation to grant an extension of time, and in all probability cannot do so if the cause of the delay is the 'fault' of the employer in law."

"If this view is correct, architects must clearly exercise great care in issuing instructions after the date for completion currently fixed under the contract, as otherwise they may find that they can grant no extension of time to the contractor and may therefore find that they have invalidated the provisions relating to the enforceability of the contractual completion date, thus depriving the employer of his right to liquidated damages... In our view, there is no difference between the position under the 1963 and 1980 editions of the JCT Contract as the wording is similar."

While Donald Keating QC in *Building contracts* (fourth edition) does not address this issue head on, the authors discuss the related question of whether or

not more than one clause 22 certificate can be issued. If it cannot, then any delay for which the employer is responsible occurring after it is issued, could invalidate it and lead to the loss of the employer's right to claim liquidated damages.

In his main text Keating suggests that more than one clause 22 certificate can be issued and that therefore it could not be properly issued until after practical completion of the works; in his second supplement the conclusion seems to be, maybe. While this may smack of pragmatism, the truth is no doubt that Keating's mind is still in a state of "active deliberation".

There are some cases which throw only a rather dim light into this murky area — *Amalgamated Building Contractors Limited v Witham Holy Cross UDC* (1952) and two relatively recent Australian cases, *SMK Coburn v Hill Modern Electric Property* (1983) and *Commissioners of the State Savings Bank of Victoria v Costain Australia Limited* (1982). In the former Australian case, the contract included a liquidated damages clause but did not provide for extensions of time. It was claimed that the liquidated damages clause was unenforceable because there was prevention by the party seeking to rely upon it. Extra work had been ordered by the employer after the contractual date for completion and before final completion of the works.

The judge, Brook J, said: "What little authority there is supports the view which I would adopt as a matter of principle, namely, that the ordering of variations after the due date, which must substantially delay completion will — unless the contract provides otherwise, and in the absence of an applicable extension of time clause — disable the (employer) from recovering or retaining liquidated damages which might otherwise have accrued after the giving of the order; the employer's rights in respect of amounts that have already accrued by way of liquidated damages not being affected."

In the latter case, the contract also contained an extension of time clause including delays caused by variations or architect's instructions. The judge, Gubbins J, concluded: "The weight of authority tends to support the view that an appropriate extension clause meets the problems of a builder directed to do extra work while damages for late completion are running against him. Nor does the weight of these authorities bear out the view that a builder can bring himself within the prevention principle, where there is an extension of time clause in the contract capable of applying to the events said to prevent performance."

It has to be said, however, that in this case the extension of time clause expressly provided that: "from time to time, and at any time after the occurrence of any delays in the progress of the works from any cause referred to... the architect shall make a fair and reasonable extension". This wording is wider than that contained in either clause 23 of JCT 63 or clause 25 of JCT 80.

JCT 63  
Among the points in support of the contractors' argument are the following:  
● By clause 23, the architect makes an extension of time for completion where, in his opinion, "the completion of the works is likely to be, or has been delayed, beyond the date for completion... or beyond any extended time previously fixed

Among the points against the contractors' contention are the following:  
● The interpretation of the wording in clause 23 (paragraph (a)) referred to above, namely, that the architect's "opinion goes to whether 'the completion of the works is likely to be, or has been, delayed beyond the date for completion' by one of the listed events, is not an interpretation which can be supported with any confidence.

First, it is reasonable to say that the listed event, even if occurring for the first time after the contractual date for completion, nevertheless operates as a cause of the works being delayed beyond that date. Secondly, if a comparison is made between the 1939 and 1963 forms, it is probable that the insertion of the reference to the "date for completion" in the later form, was done to ensure that no extension of time would be given where it was not reasonably necessary.

● The contractors' contention runs against the reasonable and literal construction of a number of other contractual provisions in the contract. The most striking example is the architect's power to issue variations requiring a variation. Clearly,

by clause 11, 15 and other provisions, this power must exist at least until the time of practical completion of the works. In other words, the architect clearly has power under the contract to vary the works during a period of a contractor's "culpable" delay. If he has this power, it must be highly improbable that a court would hold that the very event listed in the extension of time clause to deal with such action on the part of the architect, does not apply simply because the contractual completion date has gone by.

To accept the contractors' argument would be to thwart the ordinary and obvious commercial purpose behind these contractual provisions: if the contractor is late in completing the works, but if the delay has been caused by one of the listed events, an extension of time should be given.

To accept the contractors' argument would be to produce absurd results in extreme situations. For example, the contractor could be 50 weeks into a period of "culpable" delay following which one of the listed

following:

● The interpretation of the wording in clause 23 (paragraph (a)) referred to above, namely, that the architect's "opinion goes to whether 'the completion of the works is likely to be, or has been, delayed beyond the date for completion' by one of the listed events, is not an interpretation which can be supported with any confidence.

First, it is reasonable to say that the listed event, even if occurring for the first time after the contractual date for completion, nevertheless operates as a cause of the works being delayed beyond that date. Secondly, if a comparison is made between the 1939 and 1963 forms, it is probable that the insertion of the reference to the "date for completion" in the later form, was done to ensure that no extension of time would be given where it was not reasonably necessary.

● The contractors' contention runs against the reasonable and literal construction of a number of other contractual provisions in the contract. The most striking example is the architect's power to issue variations requiring a variation. Clearly,

by clause 11, 15 and other provisions, this power must exist at least until the time of practical completion of the works. In other words, the architect clearly has power under the contract to vary the works during a period of a contractor's "culpable" delay. If he has this power, it must be highly improbable that a court would hold that the very event listed in the extension of time clause to deal with such action on the part of the architect, does not apply simply because the contractual completion date has gone by.

To accept the contractors' argument would be to thwart the ordinary and obvious commercial purpose behind these contractual provisions: if the contractor is late in completing the works, but if the delay has been caused by one of the listed events, an extension of time should be given.

To accept the contractors' argument would be to produce absurd results in extreme situations. For example, the contractor could be 50 weeks into a period of "culpable" delay following which one of the listed

events for which the employer is responsible occurs — perhaps a variation instruction issued by the architect — which causes a further one week delay. If the result is that the contractor's obligation to complete by a fixed date ceases to be binding and/or the clause 22 certificate becomes invalid, the employer loses his entitlement to the whole 50 week's liquidated damages (though no doubt he can still claim unliquidated damages to the extent that he can prove his loss in accordance with general common law principles).

This cannot be the intention behind these provisions. The result is even more absurd in that the more the contractor is in delay, the greater the chance that some delay which is the responsibility of the employer will occur, thus relieving the contractor of his obligation to pay any liquidated damages. It is a technical argument likely to attract little sympathy from a court on the factual merits.

JCT 80  
The wording in clause 25 differs in some respects from clause 23 of JCT 63. In support of the contractor's argument is, first,

continued page 18

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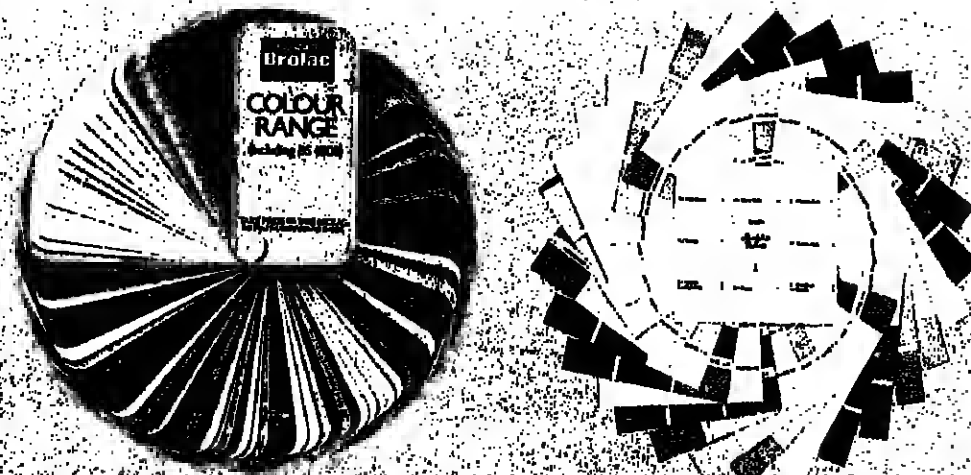
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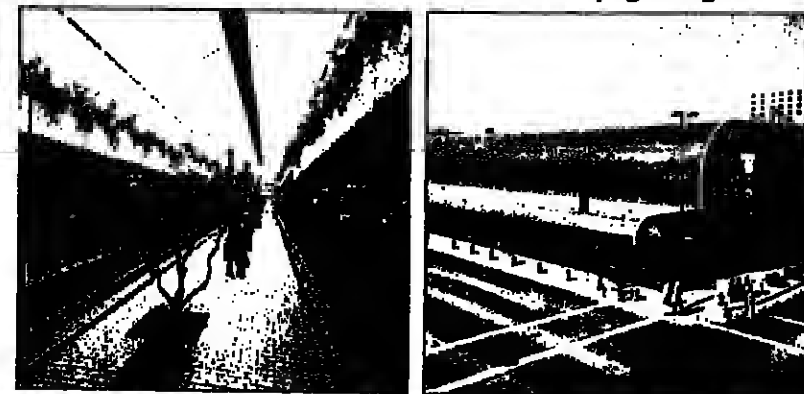


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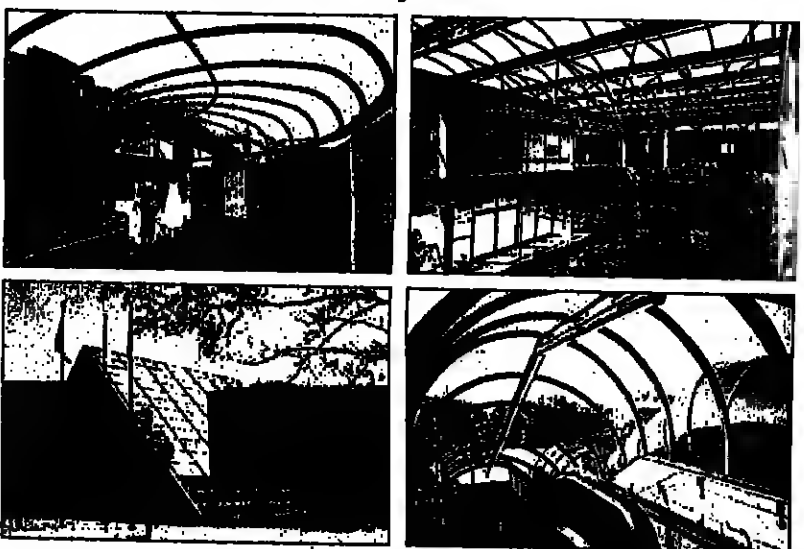
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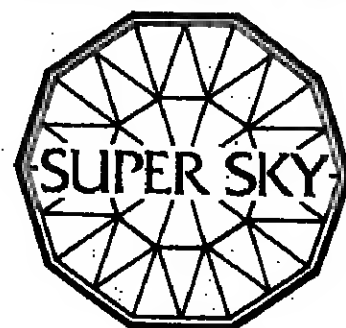


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## Legal

from page 16

If employers are to regard this review as adequately covering the wording referred to in clause 25.1.1, they must still overcome certain difficulties. The structure of clause 25, in particular the timetable it sets out, is designed to keep the making of time extensions as up-to-date as reasonably possible, so that the contractor has a future completion date which he can aim at and against which he can accordingly gear his resources.

This being so it is odd, to say the least, to find first, that the machinery for extending time during the progress of the works appears to stop at the contractual completion date (clause 25.3.1). This means any delays after that date cannot be the subject of a time extension until the review clause operates.

Secondly, the review clause appears to operate only between practical completion and 12 weeks after, leaving a gap between the contractual completion date and practical completion during which the architect has no power to make extensions of time. In other words, delays occurring during this period could only be the subject of an extension upon the review provisions being employed. This would lead to extensions of time having to wait many weeks or even months after all the details of the delay are notified to the architect. There is surely no good reason for this.

Against the contractors' argument are many of the points referred to in relation to JCT 63. In addition, unlike clause 22 of JCT 63, clause 24.2.2 of JCT 80 expressly states that, following the operation of the review

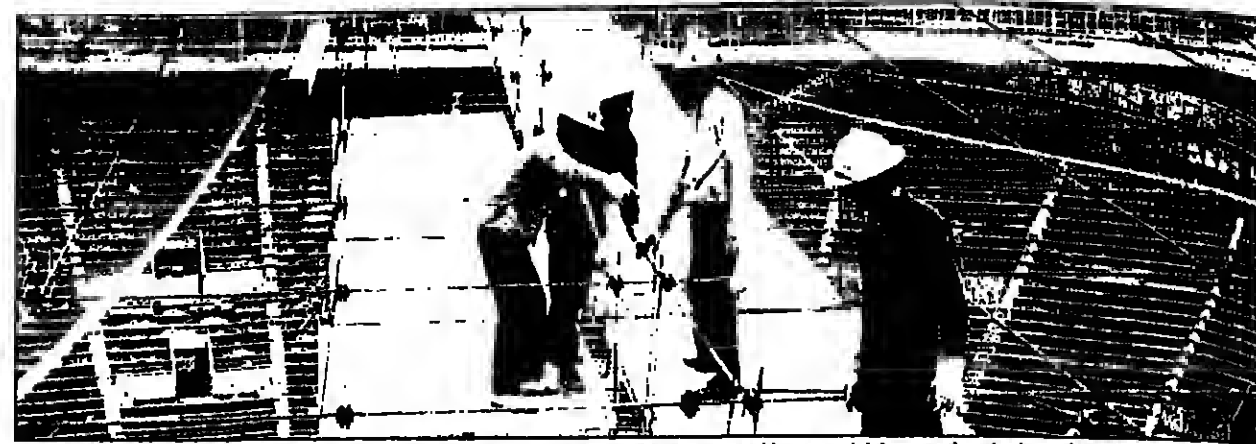
provisions, the employer must repay to the contractor any liquidated damages paid for the period for which any further extension of time has been given. There can clearly therefore be a revised or replacement clause 24.1 certificate issued. But in tying repayment expressly to the operation of the review provisions, clause 24.2.2 supports the view that there could be an intended absence of suitable machinery for the architect to make an extension of time, during the period between the expiry of the completion date and practical completion.

## Neutral delays

It has been mentioned that it will often be reasonable for the architect to approach neutral delays occurring during a period of "culpable" delay on the basis that had the contractor not been in delay, the neutral event would not have occurred, though this will not always be the case.

The applicability or inapplicability of the extension of time machinery during the period of "culpable" delay does not distinguish between events which are the responsibility of the employer and neutral events. Presumably, the contractor cannot argue differently in relation to neutral delays.

If the contractor contends that, on the wording of clause 23 of JCT 63 or clause 25 of JCT 80, non-culpable delays occurring during a period of "culpable" delay cannot be the subject of an extension of time—to the extent that the delay is one of the neutral delays listed—the contractor will have to take the commercial risk and pay liquidated damages during any such delay. This is because neither the



Construction delays cannot always be attributed to the employer—sometimes they are caused by neutral delays, such as bad weather.

employer, nor anyone for whom he is responsible, is delaying the contractor from completing work.

But if the employers' contention is that the express wording of these clauses permits an extension of time for delays occurring because of one of the listed events, during a period of "culpable" delay, then, in appropriate circumstances, the contractor will get an extension of time even in relation to neutral events.

## Gross or net extension

If the employers' contention is correct, then it must be considered whether the extension of time should be for the net additional delay caused by the listed event, or for the whole of the period from the expiry of the previous contractual completion date until the delay attributable to the listed event has spent itself.

Clearly, the sensible approach, and the one which would accord with the overall intention and commercial pur-

pose of these contracts, is for the net delay only to be the subject of an extension of time. However, contractors do argue to the contrary, their main point being that until the delay has spent itself they cannot be in breach of contract in failing to complete, so that any claim to liquidated damages levied against a period before that date must be invalid.

A further element of what is really the same argument is the contention that if the architect, in adopting the net extension approach, issues revised clause 22 JCT 63 or clause 24 JCT 80 certificate of non-completion, he would be certifying that, as at the newly extended completion date, the contractor ought to have (JCT 63), or has (JCT 80), failed to complete the works and is thereby in "culpable" delay. This is the case even though the architect knows that there is a delay (for which he has given a net extension of time) which does not in fact occur until some time after that extended completion date and that, accordingly, his certificate cannot be

valid when he is in possession of such knowledge.

There is some oblique and obiter judicial support for this gross extension approach in Lord Justice Parker's judgment of *Fairclough Building Ltd v Rhuddlon Borough Council* (1985). He was addressing the situation where, some time shortly before the current contractual completion date for the main contract was reached, it was necessary to renominate a subcontractor; the result being that the subcontractor completed the subcontract works some time after the current contractual completion date. The main contractor would be unable to achieve practical completion until at least that date through no fault of his own. Parker was considering if an extension of time could be granted, for what period should it apply?

In the present case the date fixed for completion was May 10, 1978. The contractor was therefore, as at February 24, under a contractual obligation to complete all the contract work by that date and on the architect certifying that all the contract work ought reasonably to have been complete by that date, to pay liquidated damages thereafter. On February 24 the contractor was then required to enter into a subcontract for the doing of work which, it is accepted, could not possibly be done until September 1. It may well be that the doing of such work would not delay actual completion of all outstanding work, but if the contractor is required on February 24 to do work which cannot be done until September, it appears to us of least arguable that he could not be in breach of contract by reason of failure to do that part of the work until September, and thus he is entitled, if he does not exercise his right to prevent nomination, to an extension to that date.

This approach not only supports the gross extension of time argument, but also backs up the view that the contractor is entitled to an extension of time, even where he would in any event have himself delayed completion to the actual date of practical completion—where the listed event causes delay concurrently with "culpable" delay.

Some points arising  
● The problem of coexisting or concurrent delays has often caused difficulty for architects. It can arise both before and after the contractual completion date has been reached.

There is delay on the part of the contractor which will prevent the contractor from completing on time.

Should the architect grant an extension of time because of the delay which arises from the listed event or should the architect adopt the view that the contractor is himself in delay, so the listed event has not caused completion to be postponed by any longer than it would have been in any event?

It is tentatively submitted that whether the listed event is one for which the employer is responsible, or is neutral, the

contractor should be given the benefit of the doubt. An extension of time should be awarded to him on the basis that the liquidated damages and extension of time clauses are primarily inserted for the benefit of the employer and should be construed against him.

● It is sometimes argued by contractors that if the architect makes an extension of time, which the contractor regards as unreasonable and which perhaps demonstrates that the architect has not had due regard to what is a fair and reasonable extension, this will render any certificate of non-completion invalid and invalidate the employer's claim to liquidated damages.

Clearly, this cannot be so, unless the architect has acted in bad faith with no intention of operating the contractual machinery. If he has acted in good faith, but has simply got it wrong, there is an arbitration clause. An arbitrator can be appointed to correct the architect's error and revise the certificate of non-completion appropriate, with the employer's claim to liquidated damages operating from the revised date.

An admitted difficulty arises under JCT 80 where the architect has failed to abide by the timetable for the making of extensions of time, either during the course of the contract, or during the 12-week review period following practical completion. If the architect wilfully disregards the timetable and has no intention of following it then, it is suggested the employer could lose his entitlement to liquidated damages as a result. The position may be the same even where the architect, but done his best but failed to meet the timetable, particularly where the contractor has thus been prejudiced in not having a completion date to work to and against which to set his resources.

Conclusion  
The overriding commercial spirit and purpose of the contracts support the view that the architect may make extensions of time on the part of the contractor, due to non-culpable delays occurring during what is otherwise, a period of "culpable" delay, and that such an extension should be net and not gross.

The issues raised in this article are argued with sufficient frequency and force that it would be appropriate for the Joint Contracts Tribunal to put the matter to rest so far as the future is concerned, by an appropriate revision to JCT 80.

The JCT Intermediate Form of Building Contract 1984 expressly deals with the granting of an extension of time in these circumstances, so far as delays attributable to the employer are concerned (clause 2.3). Although it not expressly states whether the extension should be net or gross, the wording—"the length of the delay, if any, to the work resulting from that event"—seems to suggest that the net extension is more likely to be the correct approach.

Neil Jones is a solicitor with the Jones & Co, Birmingham.

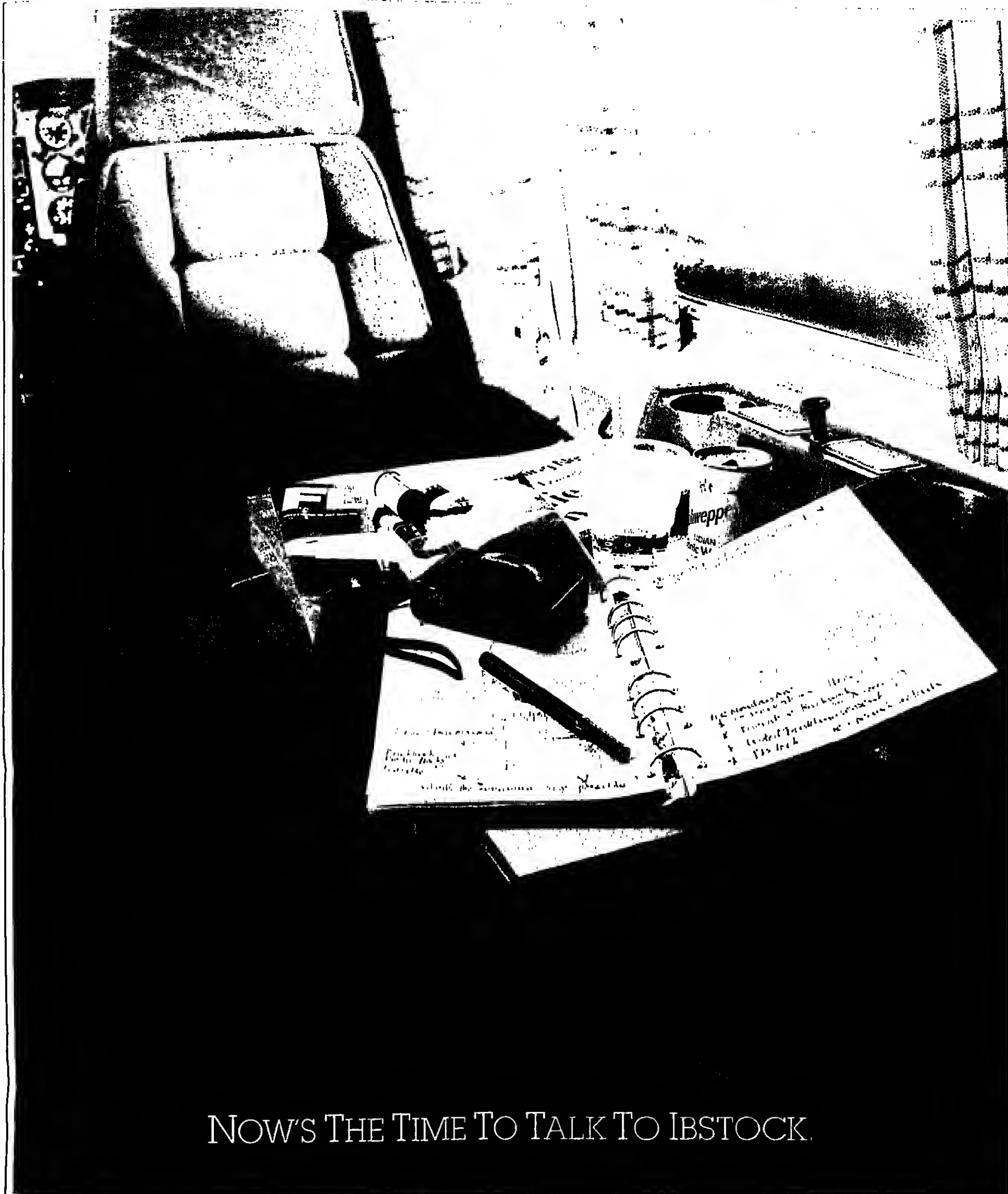


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BEN Johnson is now Britain's best-known painter of architectural subjects — the equivalent, in today's terms, of artists such as Canaletto and Pannini.

But it is important to note that Johnson does not confine himself to purely architectural subjects. He has painted modern consumer products, and has also portrayed small industrial items such as bolts and screws. These non-architectural paintings are an inseparable part of his total oeuvre.

The range of reference in his work is even wider than the brief list given above suggests, and it is therefore extremely interesting to explore the way in which Johnson's art has developed. He has been able to absorb a whole series of apparently contradictory ideas and influences, and to come up with a personal and immediately recognisable style. For example, it is surprising to discover that his earliest work, which dates from the late 1960s, is heavily indebted to the German artists of the Weimar period.

As a student he was fascinated first by Georg Grosz and then by

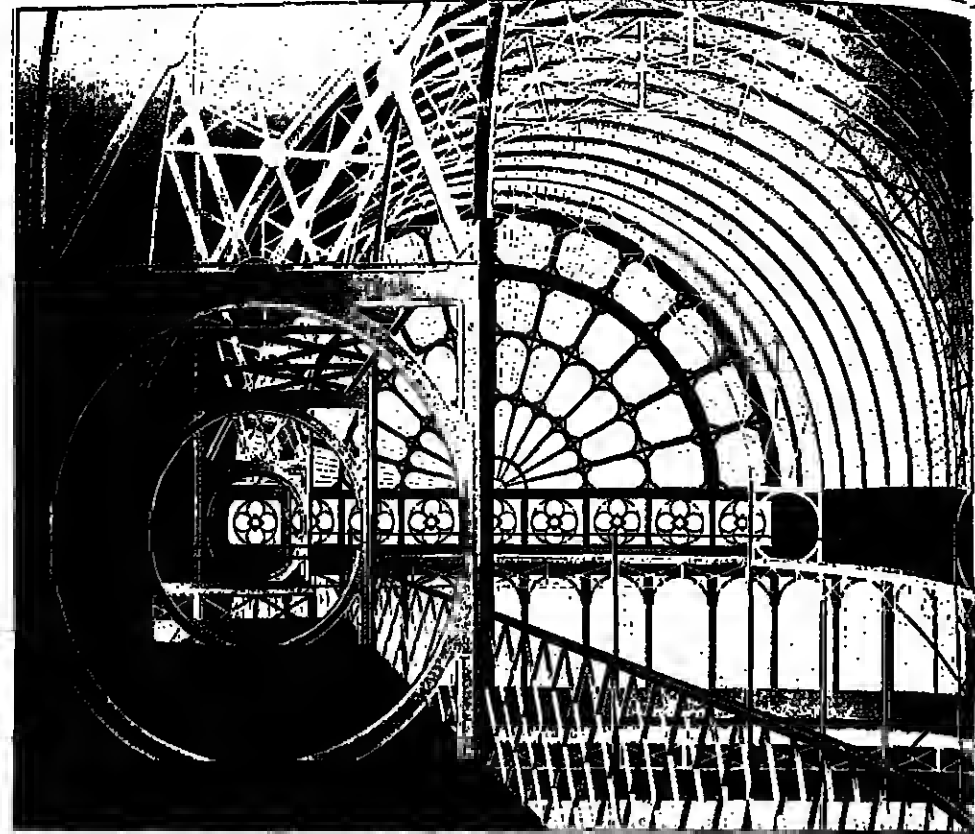
# MATCH MAKER

Edward Lucie-Smith on Ben Johnson's paintings at Fischer Fina Art, King Street, London SW1 until December 22.

Max Beckmann. Like them, his subjects were human figures, and the mood in which he portrayed them was savage and violent. He says that, even today, people often sense a current of unease of his work, and that he believes that a current of violence has been there from the very beginning, as these early works prove.

A turning point came with two dream-like paintings which represent fragmented interiors — the first statement of the architectural theme in Johnson's work.

In each of these paintings there is a grotesque head — a link with what has gone before. Johnson now refers to these images as being a last symptom of "literariness". One can be read as an allusion to T.S. Eliot. The two paintings took a long time to do, and Johnson now thinks of them as failures: "I was looking for a way out. It had started to occur to me that there was a certain element of play-acting in the earlier work. I was putting violent emotions into a historical situation which



"Crystal Palace", reconstruction (photography by Prudence Cumming Associates).

wasn't in fact mine."

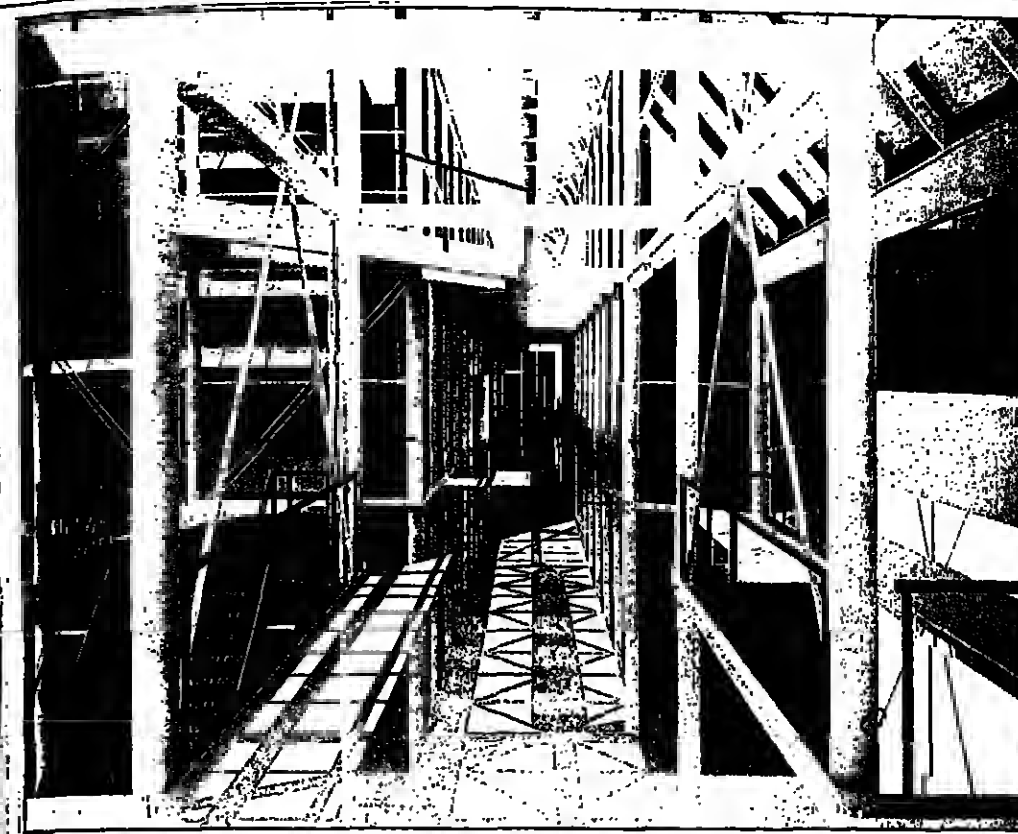
Johnson had now begun to take an interest in the work of Fernand Leger, the greatest mechanistic painter of the earlier years of this century. He also looked at the Russian Constructivists, and at what was done at the Bauhaus. One of the greatest Bauhaus figures provided his subject-matter for a painting done in 1972 — "Mies van der Rohe Building with Barcelona Chair". This is at one and the same time a recognisable Johnson and his nearest approach to the flat, matter-of-fact portrayals of contemporary interiors associated with the pop artist Patrick Caulfield. One of the ways in which it differs most conspicuously from Caulfield's work is in the fascination it shows with the play of reflections in modern glass-and-steel structures.

An intensive exploration of this theme in the course of the next two years led to a much more oblique and subtle approach to the kind of visual material contemporary buildings provided. The elaborately titled "James Stirling Cambridge Building and Richard

Einzig's Iris Flare", painted in 1974, finds complex and unexpected abstract pattern in the structure of Stirling's history faculty building for Cambridge University.

The paintings Johnson produced in the mid 70s show a continuing concern with detail and unexpected viewpoints. One group of works stands a little apart — it consists of canvases showing immensely enlarged nuts and bolts and washers, casually heaped up. These seem to be intended as a tribute to Leger's purist approach to standard industrial forms.

Other paintings, such as "Meditation and Expansion to Boiler House Flue — Leicester University 1973", are deliberate rejections of all fine art overtones, even those Leger might have introduced. But others still, such as a painting of the interior of "Queen's House Greenwich", reverse this attitude. They not only acknowledge that the painter who paints architecture is an artist using what is already art, but they try to make each one set of stylistic conventions in terms of another — Palladian



"Glaston Revisted", Arup Associates' IBM Phase 4, near Portsmouth.

architecture as raw material for Modernist paintings. The comparison which comes to mind is with the work of the greatest Dutch architectural painter of the 17th century, Pieter Saenredam, who made near abstract renderings of enormous late Gothic churches, stripped by the Calvinists of their original ornament, just as the Queen's House is now stripped of the pomp of Henrietta Maria's court.

The end of the 70s were a time when Johnson reconsidered his attitudes towards the past. A series of paintings of doorways and windows — in Spain, in Perigord and in Savannah, Georgia — examined textures, shadows and accidental markings with new intensity, trying to link them to the basic formal structures of architecture. There was one painting in Johnson's 1981 exhibition at Fischer Fine Art which must have surprised many of his growing band of admirers. Called simply "Spanish Wall", it was an almost *troupe foell* study of posters nearly obliterated by age and weather. This picture, which still seems somewhat isolated in

Johnson's oeuvre, was the result of a long period of study. Just before it was painted, the artist had spent much time creating an exquisite series of miniature collages, never so far exhibited. They relate to another admiration of his — the art of the German Dadaist, Kurt Schwitters. These purely abstract studies of colour and texture were a necessary return to first principles, and it is only after seeing them that one realises how recent work gained a new intensity of focus.

This is not the only thing it gained. In the 1980s, Johnson's art has shown a huge expansion of ambition as well as a great increase in confidence. He is now willing to handle much more complex subject matter. A recent painting based on the magnificent new IBM building at Portsmouth North Harbour makes skilful use of traditional perspective systems, and leads the eye deliberately into depth, in a way most unusual in modern art. Another new painting is based on the structure of Joseph Paxton's "Crystal Palace", painstakingly reconstructed with the aid of contemporary



"Market arcade", detail.

plans and documents. Johnson suggests the excitement of these structures with a virtuoso interplay of mass and transparency.

One reason why major industrial and business patrons have often been reluctant to commission work from contemporary artists — even artists whose work they genuinely admire in a private capacity — has been that they cannot see its relevance to the kind of world which they themselves inhabit. The relationship between modern architecture and a rapidly developing industrial technology has created a division between architects and their patrons. One sometimes hears talk of the hostility of leading modern architects to contemporary artworks, which (it is said) they are reluctant to see placed in their buildings.

Though Johnson's work is obviously rooted in the main Modernist tradition, as the brief account I have given of his development shows, it is also clear that he is attuned to the kind of excitement buildings generate in those who commission, design and build them. His paintings record specific aspects of individual structures, but they are also to be read as a

statement made about architecture in a purely general sense. One of the things which made him want to paint a picture celebrating Paxton's Crystal Palace is the excitement he feels when he contemplates the world of the great Victorian engineers.

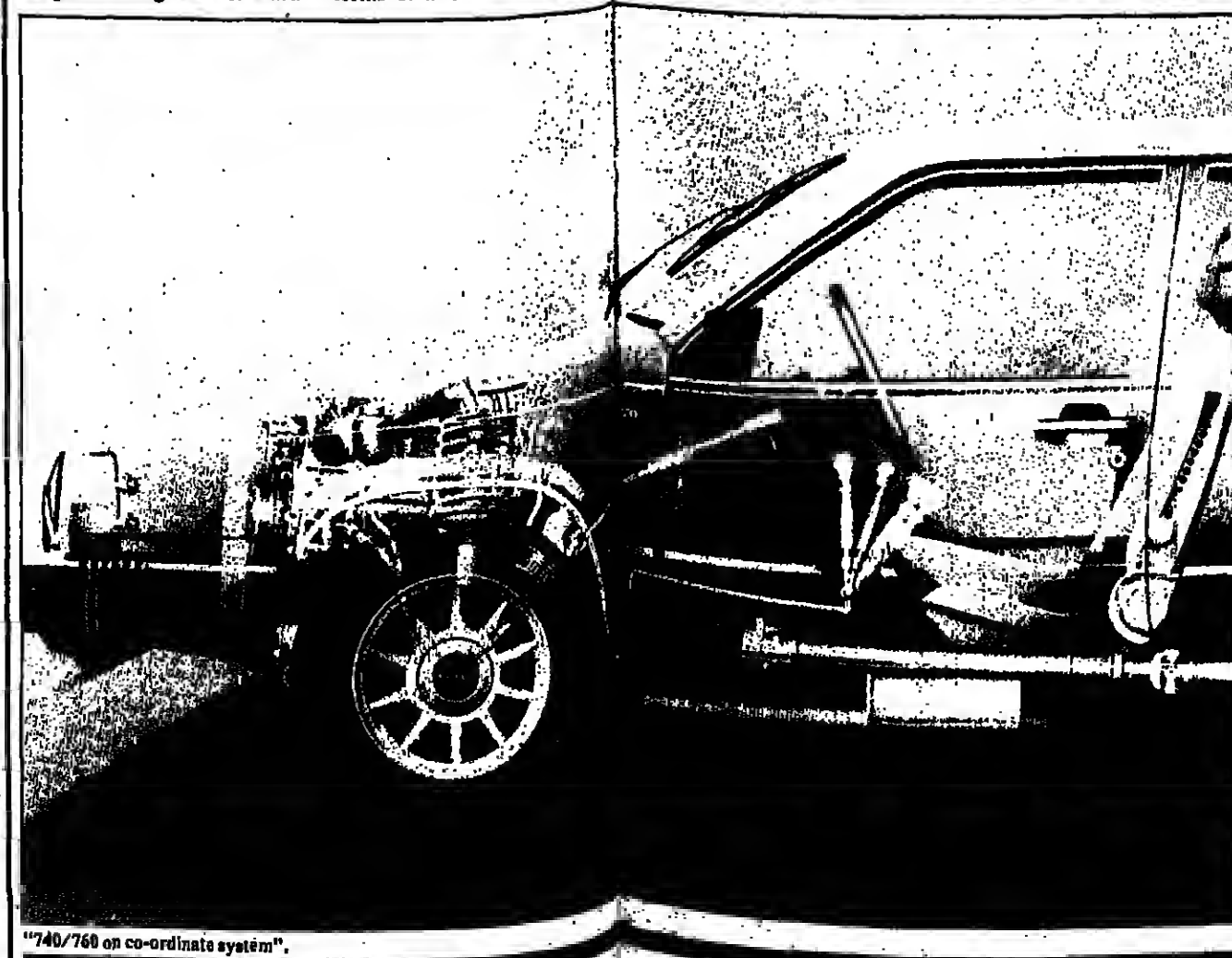
His own work seems to me to show the same marriage between mathematical purity on the one hand, and pragmatism on the other. Plans and diagrams of the Crystal Palace show that many details of the structure changed as it was built. In a sense, this provides a mirror image of the way in which Johnson now seems to work. His increasingly elaborate paintings are meticulously preplanned, and take many months to complete. But at every stage there is still room for spontaneous decisions. In particular, the appearance of the finished painting is dependent on the feeling for minute variations in colour and texture which Johnson built up in the late 70s during his hour with collage. It is the refinement of the final surface which brings the underlying structure to light, and which makes Johnson an architectural painter in the great tradition.

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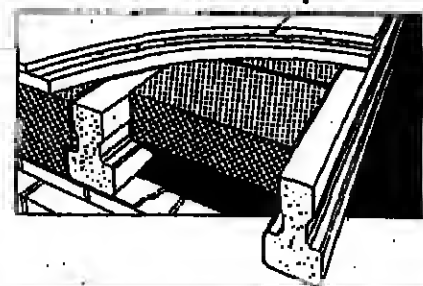
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# CONNECTING PARTS

Douglas Stephen's practice has an enviable reputation for producing thoughtfully well put-together buildings. James Luce looks at three recent completions.

The coincident completion of a group of buildings designed by a small team of architects offers valuable insights into the concerns of a practice.

Three projects designed by Douglas Stephen & Partners and built during the last two years cover a range of building types from high-rise residential to a group practice surgery and a retail development in the Suffolk town of Newmarket. They are all urban buildings and the designer's response to each of the particular settings has clearly influenced the forms of the three projects.

Opened almost a year ago, Crown Walk in Newmarket was the first to be completed. The setting is a backland site wedged between the frontage of existing shops on the High Street and the town's main car park. It offered the opportunity to rebuild an edge to the town and also connect the two parts. The scheme builds on an existing system of pedestrian alleys which, with the construction of the car park, have become significant lateral routes into the town.

In responding to the changing brief for retail accommodation — which now frequently specifies large open areas in contrast to the smaller cellular shops of the past — this scheme has been designed to provide for three or four large retail units. These are catered for in two buildings

which are planned either side of a pedestrian route covered by a modest glazed roof.

The route is orientated to provide not only a direct link between the car park and High Street via Crown Yard, but also to generate development on an adjacent backland site. Here the designers have suggested how the development of this site, with a further retail unit housed in a turreted block, can not only help to bring this part of the town into use and repair the urban fabric but also provide a visual focus for the scheme.

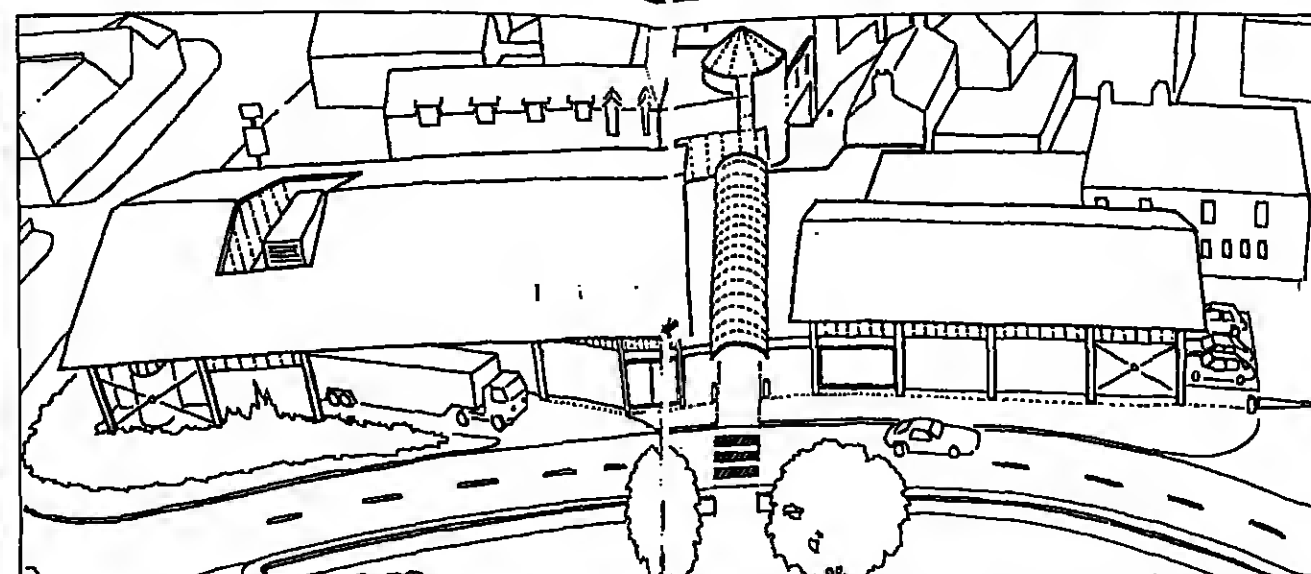
The requirement for a few large internal spaces has led the designers to a scheme formed from two large halls angled on either side to the arcade axis. Simple steel-framed structures clearly delineate that barn-like form; each is freestanding with the blue-painted frame kept clear of the more fluid beige brick skin.

To emphasise the separation of frame from enclosing wall, the brick wall is separated from the roof by continuous high-level glazing. But this attempt to achieve an architectural clarity has been marred by the insertion of a suspended ceiling in the fitting out.

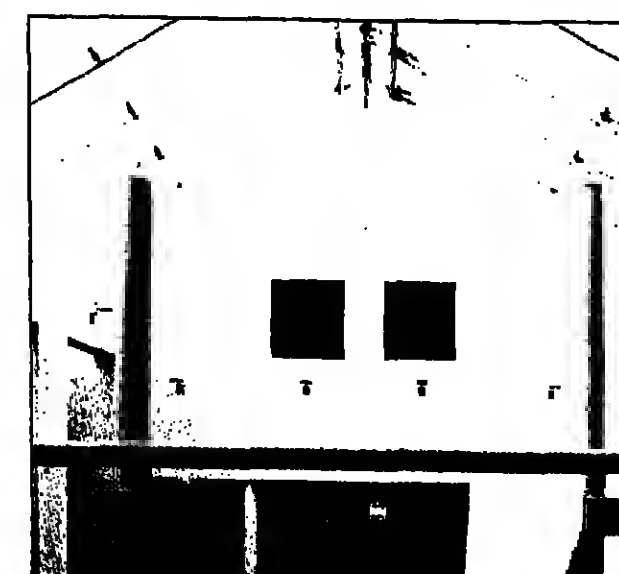
The resolution of the site geometry generated by road engineers' curves and the orthogonal grid of the structure is reasonably successful though there are the inevitable fringes of litter-strewn grass. A little tree-planting would help to reinforce



Crown Walk: north corner staircase and structure.



Crown Walk: disposition of the major components.



North Hill: inside the atrium.



Crown Walk: glazed arcade route.



North Hill: surgery elevation.



North Hill: looking out through glazed front gable.

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the urban edge. The arcade route through the scheme creates a definite bonus yet one that seems surprisingly understated architecturally. As the blocks themselves tend to be closed forms — even banal when seen complete with contents — the route might be seen as a major architectural element.

The pivotal building proposed for the adjacent site remains only an idea, yet one which, if built, would clearly change the scheme significantly. With the recent tabling of proposals for Cannary Wharf and Krier's plans for Spitalfields, the importance of completeness in a scheme is again brought into the forefront of architectural discussion. Currently at Newmarket it is a significant shortcoming.

In contrast the second project — a small surgery for a group practice on North Hill in Highgate — is focused and complete.

Designing for a long and narrow site with restricted street frontage, the architects organised an assortment of private consulting rooms and offices on two levels around a central skylight court. As is appropriate for this small but public building, the entrance and circulation system in the building are simple and clearly defined by the architecture.

The clear organisation of the building has been underlined in the detailed design. The choice of materials, finishes and constructional detailing exploit a thoughtfully limited range. Externally, this is simple brick and glass building.

The formal ordering of the plan is revealed in the facade to suggest a building within the building. This device is extended externally to create a threshold within the site boundary and built-in benches and walls suggest a second one actually on the street.

Inside, materials are clean

and simple. The pristine generosity of the glazed courtyard, which is used as a public waiting area, is a pleasant and appropriately calming surprise.

The newest project is also the largest and most complex. The brief was to design a residential building attached to an existing mansion block on a busy road in Drayton Gardens, South Kensington. Although the building was to be clearly a part of the street frontage it could also be seen as a new end to the existing six-storey block which looked out above a neighbouring two-storey car showroom.

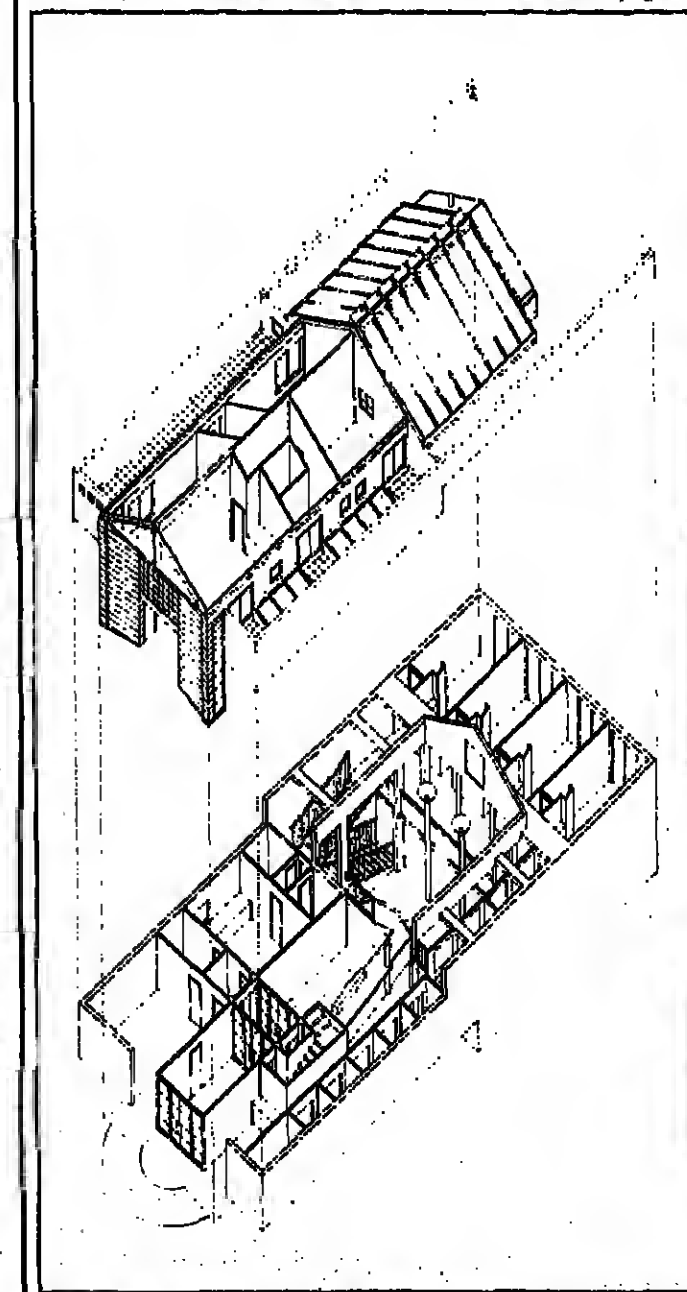
Within an envelope defined by street lines, existing buildings and statutory setbacks, the architects have designed an eight-storey block with a single residential unit on each floor.

The designers have attempted to devise a language from the rich architectural setting of Victorian and Edwardian mansions, complete with balconies, canopies, porches and intricate rooflines, and combine it with a desire to provide generous flats with a feeling of spaciousness and grace equivalent to their older neighbours.

Vertical circulation is planned at one end of the building and each floor is organised around a long central, naturally lit hall. This hall, orientated parallel to the street and planned in the middle of the block with views out at the opposite end of the building, gives access to living rooms which overlook the street or to bedrooms at the rear. The living rooms open onto wide and glazed balconies.

The new building has a clearly articulated base and middle, with a double-height unit forming a distinct attic storey. However, it is not a limp copy of its neighbours. The careful use of a compatible red brick with base and string courses defined in buff facings and a recessed penthouse finished in white

continued page 24



North Hill: exploded axonometric showing atrium court.



## New products

Compiled by Harold Hudson

## Certification scheme for structural steel

STEEL in construction work, whether it is for structural framing, cladding or just the basic material for some product, is enjoying a period of ascendancy. In bridge design, for instance, where BS 5400 often leads in a more economic solution than reinforced concrete, steel is beating other materials for cost. Modern technology is allowing it to dominate the multi-storey sector, while the versatility of a steel frame makes it ideal for a fast-track system. This was recently demonstrated at the Gateshead shopping complex, the Metro Centre.

Against this background, and in attempt to bring greater homogeneity and a better image to a diverse and widely represented industry, the British Construc-

tional Steelwork Association has initiated a certification scheme, which is open to all companies who undertake the fabrication of steelwork.

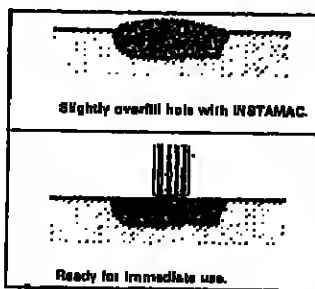
A brochure describing the scheme has been produced by the association and sets out the objectives, organisation and entry requirements. BS 5750 Part 1 is used to assess a company that carries out a full design service and the fabrication and erection. Part 11 is used when a separate structural engineer is responsible for the design.

Harold Hudson

For further information on the products on these pages, fill in and return the enquiry card.

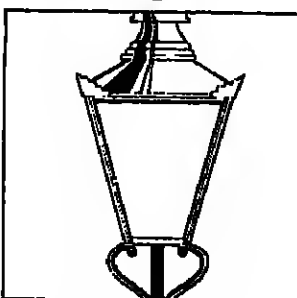
## Paving repairs

A FILLER for low volume repairs to forecourts and parking areas, which hardens instantly after compaction, is produced by the David Bull Company. Potholes do not need cutting back, only the removal of debris or standing water. The premixed aggregate and binder, called Instamac, is shovelled in and compacted with a spade or punner.



Enter 101 ON EXPRESS ENQUIRY CARD

## Lighting

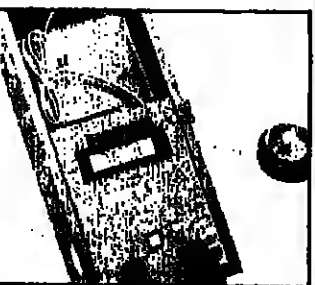


VICTORIAN style is returning with the latest additions to D W Windsor's catalogue of products. A traditional style cast-iron lantern incorporates a 50 W MBFL or fluorescent lamp to give low level illumination. The bollard, with the light behind a vandit-proof polycarbonate window, is part of a range of cast-iron street furniture.

Enter 102 ON EXPRESS ENQUIRY CARD

## Lightmeter

LIGHT levels ranging from street lamps to the most brilliant sunshine can be measured quickly and easily with the new four option series of lightmeters from Megatron. The DL4 uses a standard 45mm Megatron photocell covered by a domed Perspex mount. The meter gives a digital read-out of the light falling on the remote sensor.



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## Cable management

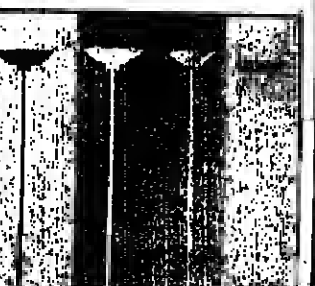


A VERSATILE, three size, cable trunking system from Rolfe & King has applications in the home and at the office. Systems 50, 100 and 150 offer multi-compartment, aluminium extruded conduits where the number denotes the nominal box width. The two larger designs are intended to take sockets for power, computers or telecommunications.

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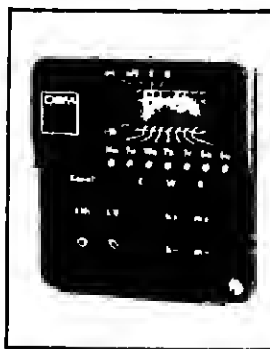
## Lamps

THE Olympic exhibition in January next year, "Lightshow 87", will see the launch of the new Grodan Torch freestanding uplighters made by Tally Ho Lighting. The majority of the lamps use polished metal reflectors to throw the light from high-energy halogen bulbs up walls onto ceilings.



Enter 105 ON EXPRESS ENQUIRY CARD

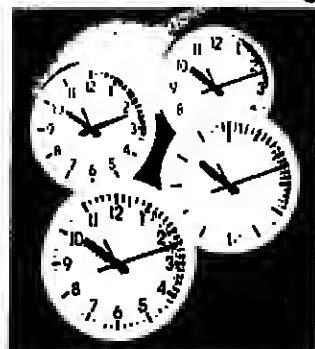
## Timeswitches



A SERIES of programmable time controllers for heating and lighting has just been launched by DEM Controls. They are ideal for energy saving applications in buildings that are now occupied full-time. Each one is available with an override facility to switch services on other than at the pre-set times. There is also a self-resetting device to prevent it from being left on constantly. The top of the range model is an electronic controller with 7-day programme capability.

Enter 106 ON EXPRESS ENQUIRY CARD

## Clock watching

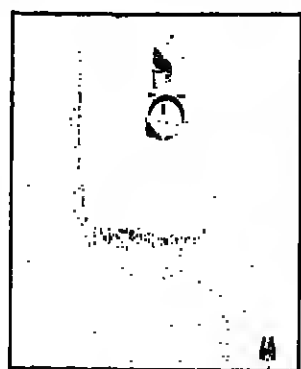


THE popularity of Gent's Regent wall clock has prompted the launch of a 24-hour version. The International hears the second sweep digits, within the 12 hour numbers on dial faces, ranging in size from 230mm to 450mm. Clocks in the Regent range have spun aluminium cases and can have mains-operated, battery-operated and one minute impulse movements.

Enter 108 ON EXPRESS ENQUIRY CARD

## Washrooms

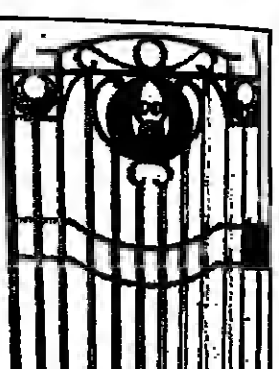
AN instantaneous water heater for mounting above and between two handbasins has been added to the range made by IMI Stanton. The LW24 is a 3kW unit that is easily connected to mains water and electricity and consumes power when in operation only. Scalding is prevented by the inclusion of a combined on/off and fine adjuster temperature control combined with a pressure fluctuation regulator.



Enter 107 ON EXPRESS ENQUIRY CARD

## Ironmongery

A WIDE range of architectural cast-iron products is being offered by Mustang Metal Products. Thousands of patterns are available including historic coats of arms to embellish staircases, banisters, lamp standards and gates. It is a priority the company can substitute aluminium in the casting process or even bronze for highly polished finishes. Mustang does not use any plain steel in its range because of problems with corrosion.



Enter 109 ON EXPRESS ENQUIRY CARD

## Sanitation



THE absence of mains drainage or water supply need no longer mean resorting to chemicals or additives to provide toilet facilities. The Lectrolav, made by Sweda Leisure, operates on what is termed the bioelectric principle of forced warm air dehydration.

Enter 110 ON EXPRESS ENQUIRY CARD

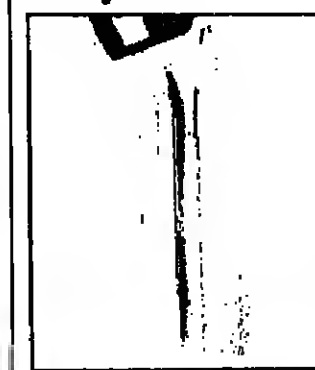
## Storage units



STANDARD and customised units are both available in this range of storage and filing cabinets. Made by Bespoke Systems Furniture, they are offered in lacquered melamine or veneer in a choice of colours. Storage containers and cupboards come in a variety of sizes and can be fitted with telescopic racks for hanging drawings, adjustable shelves and compartments for filing small items.

Enter 112 ON EXPRESS ENQUIRY CARD

## Crayons



THE new 10mm thick lead Stablolone crayon from Swan Stablolone can be used dry, smudged or softened with water to produce a variety of effects. Individual crayons or sets in wallets are available in 54 colours, as are an extra soft graphic and three metallic options — gold, silver or copper.

Enter 114 ON EXPRESS ENQUIRY CARD

## Dimmer lamps

A COMPACT fluorescent lamp intended for use where a dimmer facility is required has been produced by Wolan and is adaptable to its range of lamps denoted S, D and L. The new Wolan Dulux D/E is available as 10, 13, 18 and 26 Watt options with overall length rising to 193mm.



Enter 111 ON EXPRESS ENQUIRY CARD

## Roller doors

A WIDER choice of automatically opening roller doors is now offered by Sara Loading Bay Specialists. The original S model is joined by the EL, L and SL which go up to 36sq m in size. The models offer varying resistance to wind loading. The Sara Sprint doors open at up to 1,000mm per sec and the S and SL models close at 750mm per sec. All the doors can be opened automatically or manually and have photocells and safety strips to prevent them closing on an operator.



Enter 113 ON EXPRESS ENQUIRY CARD

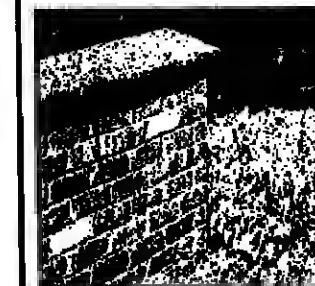
## Office equipment

QUIET operation and an almost total absence of smell are the features that support the low purchase and running costs for the new dye-line printer from Rhone-Poulenc. The A110 has a micro-chamber system with a reduced diameter which cuts ammonia consumption and is followed by a degassing process. The 250 W spectrum intensified lamp gives instant development and continuous printing.



Enter 115 ON EXPRESS ENQUIRY CARD

## Bricks

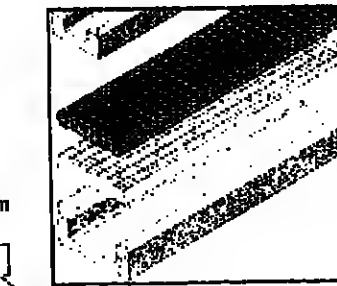


RECOGNISING the aesthetic appeal of a weathered appearance for brickwork, Steetley Brick & Tile has produced a two choice range of architectural bricks. The Shire range consists of Cheshire Weathered with black and white feature bricks — suggesting lime or soot staining — and Shropshire Weathered featuring a more textured finish.

Enter 116 ON EXPRESS ENQUIRY CARD

## Drainage

THE provision of drainage channels within the thickness of roof or floor slabs for car parks could be made easier by the specification of the latest shallow section channel from Kascade Drains. The metre-long channel sections are manufactured from glass reinforced concrete and are available in two widths — 190 mm or 290mm.



Enter 117 ON EXPRESS ENQUIRY CARD

## Luminaires

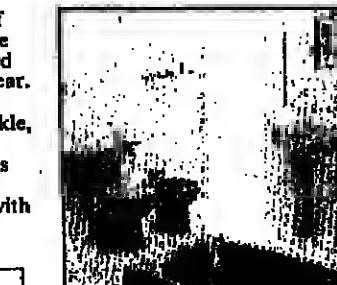


THE aim of the newest range of modular fluorescent light fittings from Marlin Lighting is to provide economic task lighting in all commercial situations. The 3F range contains luminaires with one, two, three or four lamps in 18 W, 36 W or 56 W. There are a variety of accessories available to adapt them to any role.

Enter 118 ON EXPRESS ENQUIRY CARD

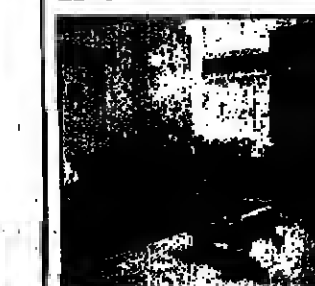
## Bathrooms

DESIGNED by Robin Leven of the Queensbury Hunt Group, the Studio range from Ideal Standard will be going on sale early next year. Based on simple curving lines it will be made in white, honeycomb, Indian Ivory or a choice of five Whisper shades. The handbasins are suitable for wall or pedestal mounting and can be supplied with the holes to take mixer or individual taps.



Enter 119 ON EXPRESS ENQUIRY CARD

## Kitchens



THE handcrafted kitchen and bedroom furniture from Woodstock can now be seen in an apartment at its new showrooms in Chelsea. Maple and cherry wood kitchens, oak and maple flooring, lined oak panelling — as appropriate to the home as the boardroom — can all be viewed along with the company's latest two bedroom ranges.

Enter 120 ON EXPRESS ENQUIRY CARD

The ups and downs of Downland.

Downland Plain Tiles are random.

Enter 23 ON EXPRESS ENQUIRY CARD



# A remarkably bright idea



OPEN SUNDAY 18th JANUARY  
10.30 am to 4.30 pm  
Make a day of it  
in town!

...that's the one we had to stage Electrical Products '87 at Olympia. After all, a London based electrical show is what specifiers have wanted for years.

Electrical Products '87 is ready to meet that demand with an exhibition that covers the whole spectrum of the electrical industry. Here you will find the widest possible range of electrical products and accessories along with in-depth technical information and specifications. All in all, it will give you a valuable picture of what's available and how it can help you.

So make sure you visit Electrical Products '87 - it's one bright idea that will certainly lead to a lot more.

Olympia 2. January 18th - 21st 1987.

WHERE ALL OF THE  
ELECTRICAL INDUSTRY  
WILL COME TO SHOP

## EP87

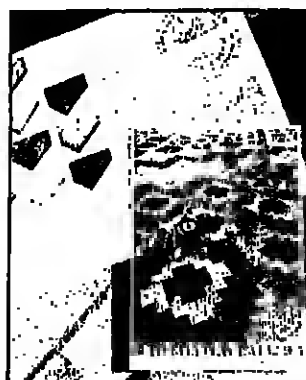
Circle the reader enquiry number for your ticket. If you require more than one ticket, ring Elizabeth Wells on 0732 359990.

Enter 24 ON EXPRESS ENQUIRY CARD

## Technical literature

### Paving

THE full range of clay pavers is illustrated in a colour brochure from Butterley Brick. Photographs of applications and technical specifications on skid resistance and water absorption are included. Butterley flexible pavers in natural colours and also its rigid jointed pavers - available in six colours and three surface textures - are all listed in the pamphlet.



Enter 121 ON EXPRESS ENQUIRY CARD

### Floors

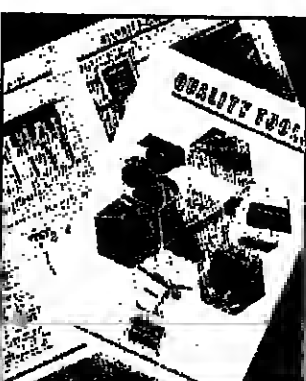


A SERIES of A4 product cards are provided as part of the facelift for the Sommer Allibert collection of floorcoverings. There are three new products included in the literature - Tri-comfort Acoustic, a heavy-duty cushioned vinyl; concourse studded rubber tiles; and an anti-static, fibre-bonded carpet called Titan SS12, which is produced in nine colours.

Enter 122 ON EXPRESS ENQUIRY CARD

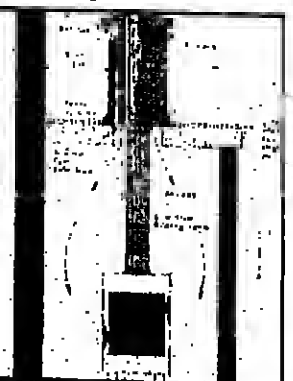
### Drills

BRITAIN'S longest established manufacturer of tungsten carbide tipped masonry drills, Mason Master, has put all its product range into one colour catalogue. It lists full technical details on all drills, power tool accessories, hand tools and tiling tools. Also included are useful tips to help both the professional and home handyman and display notes for the retailer.



Enter 123 ON EXPRESS ENQUIRY CARD

### Flues



AN eight-page advisory brochure has been produced jointly by the Strair Group and Monodraught Flues. Colour diagrams and related information are used with the text to explain the application of the Monodraught system - a set of four lightweight concrete, gip or reconstituted stone blocks providing fresh air and exhaust - for the range of Ideal Concord Super boilers.

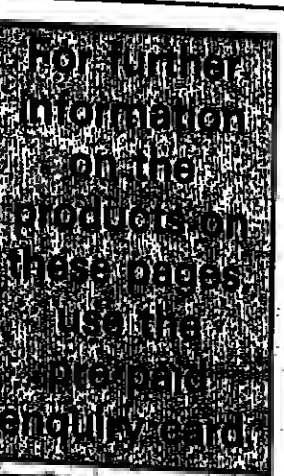
Enter 124 ON EXPRESS ENQUIRY CARD

### Windows

RANGE specifications for the Colt 320 roof windows are set out in a technical sheet to accompany improvements to the detailing. A rubber flashing replaces aluminium to speed installation, the hinge has been altered to give improved opening and a change to the weather-stripping and frame provide a better appearance. The sheet lists overall dimensions, weight and area which lets in light for each of the models. Colt Building Products also makes roof escape windows.



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### Ceilings

A GUIDE to lead and instruct designers, architects, specifiers and site personnel in the planning and erection of suspended ceilings has been produced by the British Ceilings Association. The guide discusses the programming of ceiling erection, the storage of materials and special requirements such as scaffolding. Structural fire protection using cavity barriers is another topic covered in this 12-page booklet. It also provides an association membership list.

Enter 126 ON EXPRESS ENQUIRY CARD

### Energy

A SIX-page colour brochure sets out the range of energy services made available by the merger of two successful companies. Acoustics and Environmental Thermal Engineering to form Alete. The new firm provides industry with heating, ventilation, energy recovery and pollution control.



Enter 127 ON EXPRESS ENQUIRY CARD

### Heating

FULL dimensional and performance specifications for Bureo Maxols' range of three gas convector room heaters are given in a new full-colour fold-out brochure. The popular Manhattan, the Mayfair 200 and the large new Monaco 300 are illustrated and described, together with general discussion on home heating.

Enter 128 ON EXPRESS ENQUIRY CARD



### Fire safety

IN response to fears about fire safety at sports grounds following the Bradford Football club disaster, the British Steel Corporation has published an eight-page full-colour brochure detailing the use of steel in four grandstands around the UK. All have been built since 1981 to the fire engineering method of design. An assessment is made of the materials likely to contribute to temperature rise and the time/temperature behaviour of the steelwork is estimated.



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## MATERIALS

Grading and preservative treatment of timber have introduced a much wider range of basic materials for the carpenter's use, but part of his skills in the choice of particular pieces of wood for a given job. A good carpenter can judge whether the knots will interfere with joint strength and whether twisting and shakes (spills) will affect performance. Still, he has no BS colour code - however it must be identified and give details of grade and licence number. Licensees tend to use the following building management courses.

A traditional test of a carpenter's practical skill was to ask him as his first job on site to make a "donkey" or sawing stool. The donkey has a heavy leg and requires accurately formed joints to avoid wobbling. Some foremen claim that a quicker assessment can be made by simply asking an applicant to open his bag of tools. The condition of the hand tools is so fundamental to the quality of work that he wouldn't get the job if the tools are not sharp.

## TECHNIQUES

Carpenters brought up on king-post trusses and bridle joints repeat the changes in techniques that have generally simplified the work. A "wood butcher" can

colour: M 75 grade - red (satisfies building regs SC4 except for spruce); M 80 grade - blue, MSS grade - purple, MCS grade - green (satisfies reg SC3). The machine stress-grading is intensively marked along each face of the timber. Reject timber is usually unmarked. If a graded piece of timber is cut the grading will be affected - usually a shorter piece would have improved grading.

Preservative treatment should be checked by certificates referring to timber deliveries. The presence of preservatives can be tested on site but the effectiveness of treatment can only be established in the lab. Copper chrome arsenic treatment can make timber harder and more liable to blunt tools. It can also accelerate corrosion in steel or aluminium fixings (though this is a subject of debate). Organic solvent preservatives can soften bituminous materials (such as roofing felt).

In finished work check that cut ends have had preservative treatment. The treatments do not reach the centre of the section. Timber species will greatly affect the carpenter's work - some split and splinter easily some twist, some war in hardwoods. Hardwoods can be difficult to work - particularly old hardened oak timbers in restoration work.

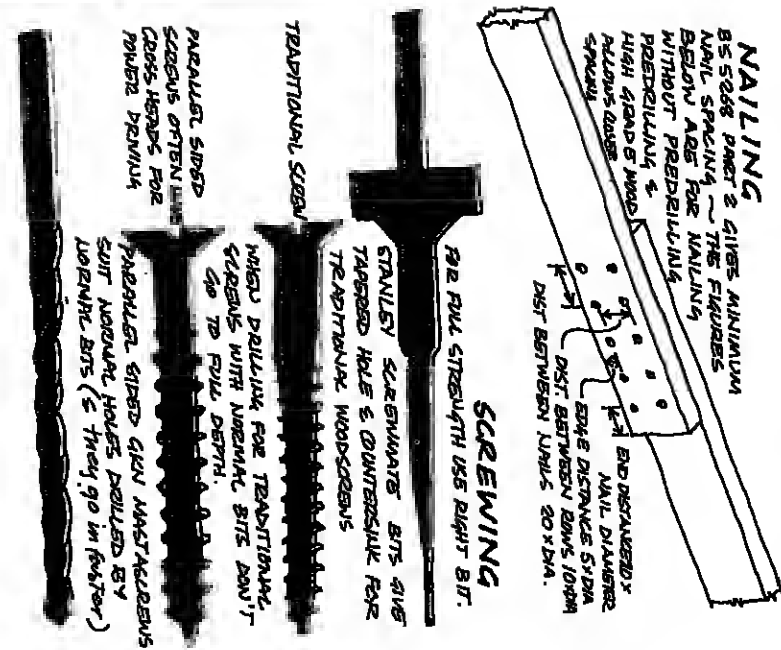
Checks to apply are:

- Timber marks and species of bulk deliveries.
- Moisture content with moisture meter.
- Protection and storage - covers and support.
- Treatment of cut grain.
- See that blue-stained timber is avoided in exposed work.
- Reject decayed and insect-damaged timber, see BS 4976:1973 (with amendments) for visual assessment of structural timber.

New material and devices for fixing have changed the carpenter's trade. Much old carpentry required heavy sections to allow strong joints to be made, with plate connectors, splitting connectors, improved nails and gables, smaller timbers are used and less shaping is required. The danger is that old methods are used with new fixings and performance is not achieved.

## TOOLS

Most hand tools are familiar but the carpenter's square is a bit beyond your average DIY person. It is used for setting out of timbers for roofing, stairs etc. (Wherever timbers meet at odd angles.) Some have protrusions on them, the one illustrated is for use with a separate level protractor for measuring angles. The carpenter's fundamental skill is measuring. With the square, he has his essential reference for calculation squared on a handy measuring tool - each square comes with a 40-page instruction booklet.



BS 5268 Structural use of timber Part 3 1985 Code of practice for trussed rafter roofs - more exacting requirements for bracing and bracing.

BS 1579 1966 Specification for connectors for timber.

BS 6100 Building and civil engineering terms section 4.4 Carpentry and joinery.

BS 2 Digest 287 Specifying structural timber, a good run-through of grading, marking moisture content etc.

BS Digest 314 Gluing wood successfully.

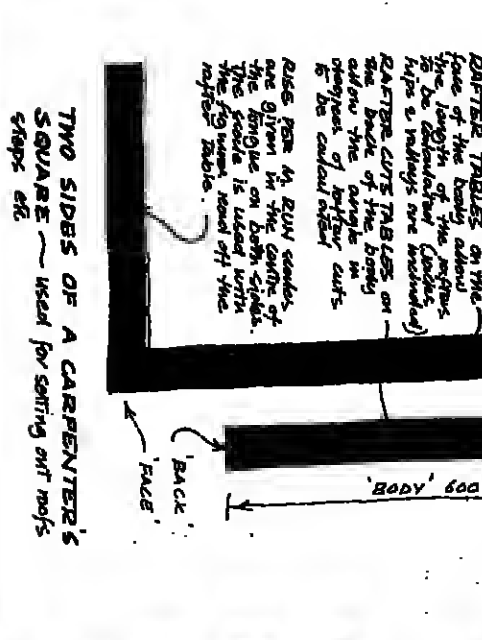
Timber in construction - a Balford Trade book, £14.95, edited by John Stanley & Barbara Bending. Buck & Hitchman catalogue, 1066 pages with all the carpenter's tools - tel: (0142) 731111.

Greater London Council handbook for clerks of works published by the Architectural Press (106363) 9022.

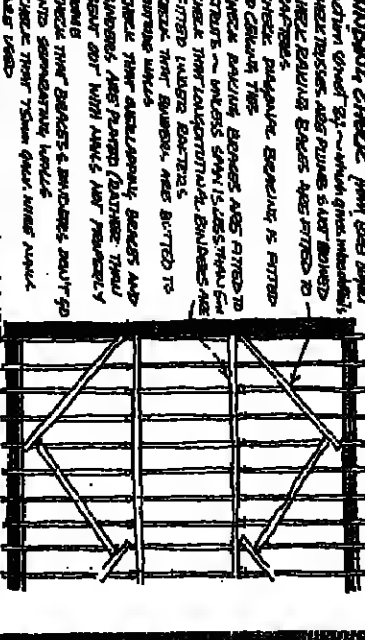
Chipboard Promotion Association - tel: Marlow (06283) 9022.

Swedish Finnish Timber Council - tel: Retford (01777) 106616.

## REFERENCES



ENTER 125 ON EXPRESS ENQUIRY CARD



# THE BASIC CHECK ON BUILDING TRADES

## 8 CARPENTRY

By Henry Haverstock

Comments (or corrections) welcomed - ring 01-287 7676

Carpentry is the measuring trade on a site. Carpenters traditionally deal with the more complex structural forms - not just those made from wood but also, by providing templates, centering and formwork they set the accuracy of work by other trades. This week Henry looks at skills, techniques and materials - next week at what to check.

Comments (or corrections) welcomed - ring 01-287 7676

now do many of the things that used to call for the carpenter's skills.

Trussed rafters can be set out to give the shape of the roof without the complex calculation and cutting that was once required.

Whole timber buildings are put together from factory-made panels by hanging in nails for a couple of days. Even where cutting is required, angles and margins can be set on power tools and blunt cutting edges are discarded - or sent for re-sharpening.

The danger from the superior's point of view is that simplified techniques lead to carelessness. BS's Defect Action Sheet 84 lists 11 points to check on the bracing and binders for a simple trussed rafter roof. Most of the points are checking for omissions or good practice. (The old test of a traditional roof - jumping up and down on the timbers to see if they moved - is not included.) The most skilled carpenter nowadays is probably found in restoration and repair work, where carefully fitted timbers must be joined to the original structure.

The carpenter's knowledge of materials must now extend to wood-based structural panel products as well as timber itself. Here there are likely to be mistakes as timber-based products may have different properties.

Manufacturers will avoid responsibility for defects where their instructions have not been followed.

TRUSSED RAFTERS, DEFECT ACTION SHEET 84, BS 5268:1985. The diagram shows a trussed rafter roof with various components labeled. The rafters are shown with a pitch of 12.5 degrees. The diagram also shows the bracing and binders. The text explains that the rafters should be checked for correct spacing and that the bracing and binders should be checked for correct placement and that the roof should be checked for correct shape and that the rafters should be checked for correct length and that the bracing and binders should be checked for correct width and that the roof should be checked for correct height and that the rafters should be checked for correct thickness and that the bracing and binders should be checked for correct depth and that the roof should be checked for correct area and that the rafters should be checked for correct volume and that the bracing and binders should be checked for correct weight and that the roof should be checked for correct load and that the rafters should be checked for correct stress and that the bracing and binders should be checked for correct strain and that the roof should be checked for correct deflection and that the rafters should be checked for correct creep and that 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## Dateline

Items for consideration must be received 10 days prior to publication

## This week

**Saturday-Sunday**  
Crafts fair organised by the Richmond Fellowship for Community Welfare.  
Venue: Richmond Fellowship, 8 Addison Road, London W14.  
Details: Connie Harman, 01-603 6374/5.

**Monday-Tuesday**  
Fire from first principles: building fire safety, lecture by Ken Blount, chief building surveyor, Sheffield Metropolitan District Council, and Dr Paul Stollard, Institute of Advanced Architectural Studies, York.  
Venue: Wolverhampton Civic Hall (Monday), 1pm-5pm. Bickemill Fire Station, (Tuesday) 9.30-3pm. Cost: £30 inclusive of buffet lunch, coffee and afternoon tea.  
Details: Clare Bell, 021-356 7869.

**Monday**  
New museum architecture in the Federal Republic of Germany — aspirations and contradictions, lecture by Dr H. Schwur, Deutsche Architektur Museum, Frankfurt.  
Venue: Goethe Institute, 50 Princes Gate, London SW7.  
Details: Clothe Institute, 01-581 3344.



Until December 11 Flights of fancy, David Swift's painted wood and mixed media. Venue: Crafts Council shop, Victoria & Albert Museum, South Kensington, London SW7. Details: Crafts Council, 01-930 4811.

**Tuesday**  
The principles and practice of dilapidations, course organised by the College of Estate Management. Venue: Cafe Royal, London W1. Details: Mark Barlow, (0734) 861101.

**Tuesday**  
Keeping up-to-date with property law, course organised by the College of Estate Management. Venue: Council Chamber, RICS Westminster Centre, London SW1. Cost: £40.

**Details:** Maureen Coleman, (0734) 661101.  
**Tuesday**  
Film for the festive season at the RIBA, double bill of "Mr Blandings builds his dream house" and "The Draughtman's Contract".  
Venue: RIBA, 66 Portland Place, London W1. 6.15-9.30pm. Tickets are available at the RIBA bookshop.  
Cost: RIBA members and students £1, £2 others.  
Details: RIBA Events, 01-580 5533 (ext 4335).

**Tuesday**  
Building in partnership, conference organised by the Midlands Study Centre.  
Venue: London Hilton Hotel, Park Lane, London W1.  
Cost: £125.  
Details: Midlands Study Centre, 9 Westbourne Road, Edgemark, Birmingham B15 3TN. Tel: 021-454 2008.

**Wednesday-Thursday**  
MA furniture design students show. Venue: Hille Ergonom Showroom, 369 Euston Road, London NW1. 10am-5pm.  
Details: 01-380 1513.

**Wednesday**  
Georgian landscape architecture, lecture by Roger White.

**Venue:** Linnean Society Rooms, Burlington House, Piccadilly, London W1. 6pm.  
Details: 01-377 1722.

**Wednesday**  
Decorative brickwork seminar. Venue: Istock Design Centre, 13 Claremont Gardens, Glasgow W. Details: 041-332 3202.

**Friday**  
Architecture, planning and the urban environment — conservation and innovation in major cities, symposium.  
Venue: Royal Academy of Arts, Burlington House, Piccadilly, London W1.  
Details: Royal Academy of Arts, 01-734 9052 (ext 23 or 63).

**Monday - December 20**  
Princes Square development, the proposed plans for its redevelopment.  
Venue: Scottish Design Centre, 72 St Vincent's Street, Glasgow G2 5TN.  
Details: 041-221 6121.

**Tuesday - Thursday**  
Design moves, work of students of furniture design and technology from Birmingham College.  
Venue: Ergonom, 369 Euston Road, London NW1.

**Until Wednesday**  
ACA in Glasgow, the work of the members of the Association of Consultant Architects.  
Venue: Istock Design Centre, 13 Claremont Gardens, Glasgow. Details: Wallace Glendinning, 041-332 3202.

**Wednesday - Friday**  
Systems showcase 86. Venue: Bloomsbury Crest Hotel, London. Details: 01-572 7455.

**Thursday - January 1**  
Sonia Boyce, installations and drawings.  
Venue: Air Gallery bookshop, 6-8 Rosebery Avenue, London EC1.  
Details: 01-278 7751.

**Until Friday**  
Photographs of 18th century French and English gardens by Geoffrey James.  
Venue: RIBA Heinz Gallery, 21 Portman Square, London W1. Monday-Friday 11am-5pm. Saturday 10am-1pm. Closed Sunday.  
Details: 01-580 5533.

**Until December 19**  
Interior views, watercolours by Laurence Vaux, London W1. Details: RIBA, 01-580 5533.

**Until December 19**  
CAD microcomputers and design. Venue: Design Centre, 28 Haymarket, London SW1. Mondays and Tuesdays 10am-6pm, Wednesday to Saturdays 10am-6pm, Sundays 1-6pm. Details: 01-580 5533.

**Until December 19**  
Landscapes with rules, the photographs of 18th century French and English gardens by Geoffrey James.  
Venue: RIBA Heinz Gallery, 21 Portman Square, London W1. Details: RIBA, 01-580 5533.

**Until December 20**  
Julian Opie, recent sculptures. Venue: Lisson Gallery, 66-68 Bell Street, London NW1. Details: 01-739 2086.

**Until December**  
Rules of glamour, glamour of rules, an installation of work by Glyn Banks, Hannah Vowles, Ed Baxter, Simon Dickson, Karen Elliot, Gabriel Rick-Gibson, Andy Hopson, Tom McEllynn and Stefan Szcz. Venue: Chisenhale Studios, Chisenhale Road, London E3.

**Wednesday**  
Tom Moller & Partners have moved their Miltonthorpe office to 125 Highgate, Kendal, Cumbria LA9 4EN. Tel: (0539) 27402.

**McColl has promoted Jim Duffy** to senior associate with responsibility for shopping centre development.

**People**  
Lewis & Hickey architects have moved their London office to 291 House, 120 Baker Street, London W1M 2HL. Tel: 01-935 2948.

**Subscription details**  
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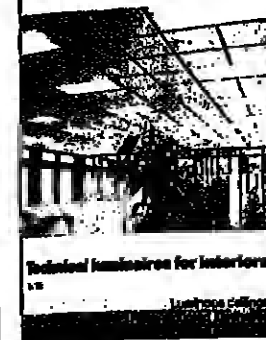
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December 15  
Does museum architecture meet the demands posed by the preservation of art? evening lecture by David Elliot.  
Venue: Goethe Institute, 50 Princes Gate, London SW7.  
Details: 01-581 3344.

December 16  
Commercialism versus design: the works of the environment committee, conference.  
Venue: Royal Scottish Automobile Club, Blythswood Square, Glasgow. 5.30 for 6pm.  
Cost: £1.  
Details: 041-332 7030.

December 17  
North West London Society of Architects Christmas party.  
Venue: Pinner Community Centre, Chapel Lane.  
Cost: £2.50.  
Details: Richard Brindley, 08-949 4943.

December 17  
The evolution and restoration of Stone, lecture by George Clarke.  
Venue: Linnean Society Rooms, Burlington House, Piccadilly, London W1. 6pm.  
Details: 01-377 1722.

December 17  
The new national gallery in Berlin, lecture by Dr Lucius Grisebach, National Gallery Berlin.  
Venue: Goethe Institute, 50 Princes Gate, London SW7.  
Details: 01-581 3344.

January 7  
Planning law in action, half-day course.  
Venue: South Bank Polytechnic, Centre for Continuing Education in the Building Industry, Wandsworth Road, London SW8 2JZ.  
Cost: £25.  
Details: Jill Reynolds, 01-928 8898.

January 13  
CPD and the Scottish architect — the merchant city, an illustrated talk by John Kennedy.  
Venue: Royal Scottish Automobile Club, Blythswood Square, Glasgow. 5.30 for 6pm.  
Cost: £11 per person.  
Details: Glasgow Institute of Architects, Cottage No 3, Greenshields Farm, Biggar ML12 6RD.

January 14  
John Harris the formal garden, lecture in "The Georgian Garden" series.  
Venue: Georgian Group, 37 Spitalfields Square, London E1 6DY.  
Details: 01-377 1722.

## People

Lewis & Hickey architects have moved their London office to 291 House, 120 Baker Street, London W1M 2HL. Tel: 01-935 2948.

Tom Moller & Partners have moved their Miltonthorpe office to 125 Highgate, Kendal, Cumbria LA9 4EN. Tel: (0539) 27402.

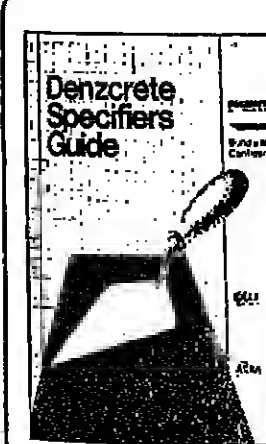
McColl has promoted Jim Duffy to senior associate with responsibility for shopping centre development.



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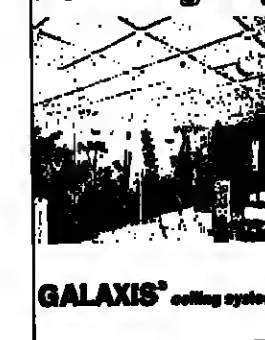


## Electric Water Heating Directory From IMI Santon

IMI Santon Ltd., a subsidiary of IMI plc, have recently produced a comprehensive brochure giving details of their liquid heating products. This extremely colourful brochure features their electric water heaters for domestic, commercial and industrial applications with full specifications appearing on the outside back cover. IMI Santon Ltd., Somerton Works, Newport, Gwent, NP9 0XU.

For complete details fill in enquiry number 8008

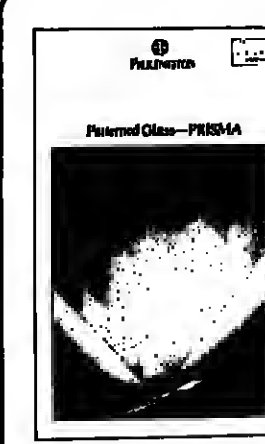
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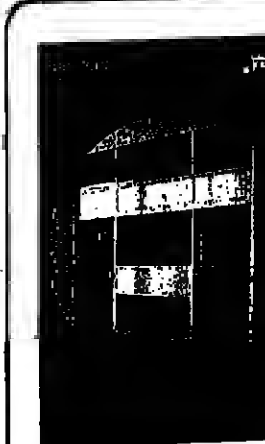
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6. Construction Project Management using Small Computers by Glen Peters. As well as explaining the principles of project management this book explains how they can be applied on small computers and which particular systems are most suitable. Price £15.35.

7. Legal and Contractual Procedures for Architects by Bob Greenstead. New edition of this popular reference work which gives concise and simple guidance through the legal and contractual maze of everyday architectural practice. Price £9.85.

8. Contractor's Claims: An Architect's Guide by David Chappell. Explains how to avoid situations which give rise to contractor's claims for delays or expenses, and how to deal with them when they do arise. Price £15.35.

9. Manual of Graphic Techniques 4 by Tom Porter and Sue Oodinn. The latest volume in this series uses drawings to show every aspect of development and presentation of plans, from interiors to elevations, site sections to sectional perspectives. There are black and white photographs and line drawings throughout. Price £9.85.

10. Specification 85 by David Martin. Eighty-second edition of this annual reference source for architects and specifiers in the construction industry. Volume 8 is a completely revised new volume devoted entirely to specific, common clauses. The six volumes set is supplied in a library box. Price £57.50.

Building Design Easybrief. A compendium of the technical pages published in Building Design under that name between 1983 and 1985. Covering a wide range of design methods, techniques & materials. Prepared by architects Haverstock Associates the book will be an invaluable aid to anyone whose business is designing buildings. Price £17.00 incl. p&p.

LONDON ENERGY GROUP DATA BOOK AND DIARY 1987. A slim pocket diary — month to month with 34 pages of data on energy in buildings compiled by Jack Penelt ex Technical Secretary of CIBSE. A first edition in 1987 this could be your most valuable acquisition for it contains most of the U-values, degree days, appliance efficiencies and other energy data you need from day to day. The project has financial support from RIBA and CIBSE. Order now to reserve your copy for November delivery. Price £4.60 inc. V.A.T. (Discounted prices available for multiples of ten copies or more with practice or company logo on an extra).

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We are looking for a precocious designer, probably around 30, who is also able to organise and direct a wide range of projects. Present clients include Canada Life, Ivesco in Europe and the UK, Reuters, Pizza Express and a variety of stimulating contracts in advertising, publishing and related communications businesses, together with residential developments and schools building and repairs.

This is a positive New Year opportunity. Send CV and note of salary expectation to Bob Thompson.

Thompson's Winterskill Faulkner  
20 St Anne's Court  
London W1V 3AW

**TWIF**

## ARCHITECTS &amp; ENGINEERS

with CAD (Computer-Aided-Drafting) experience utilizing GDS software developed by Applied Research of Cambridge (ARC) needed by CAD/East Inc., a leading GDS Service Bureau in U.S.A. for work in New York City and other U.S. locations on major projects with world class architectural and engineering firms, industry and government. Strong growth potential at all levels of experience. All qualified applicants will receive replies.

Please send curriculum vitae to:-

Director of Personnel  
CAD/East Inc.  
P.O. Box 640  
Clinton  
New York 13323  
USA

## Cassidy &amp; Ashton Partnership

require for their Preston and Midlands Offices

## ARCHITECTS

min 2-3 years experience and

## TECHNICIANS

with min 4 years experience

The practice has an expanding and varied workload, and is seeking talented and enthusiastic candidates who are keen to develop their skills.

Please write with full details to:

Cassidy & Ashton Partnership  
7 East Cliff, Preston PR1 3JE  
or  
White, Cassidy & Ashton Partnership  
792 Hagley Road West, Warley, West Midlands B68 0PJ

## MEPK

## EXPERIENCED ARCHITECTURAL ASSISTANT

Max Lock Easton Parison & King require in their Bedford Office an Architectural Assistant with a minimum of five years experience. Must be capable of producing working drawings and details with the minimum of supervision and should be experienced in all facets of Drawing Office practice. Including the surveying of existing buildings. Good presentation essential and perspective drawing an advantage.

Please write for interview with details of career to date to:

Mr. G. W. King, FRIBA, FRPI  
MEPK Architects,  
5a Harpur Street,  
Bedford, MK40 1PE.

## Elsworth Sykes Partnership

Seek applications for the following appointments to work on high quality commercial developments.

## ARCHITECTS

with a minimum of one years post qualification design experience.

## TECHNICIANS

with around 5 years detailed working drawing experience.

Apply in writing to:

Michael Harrison  
Elsworth Sykes Partnership  
Roxburgh House  
273 Regent Street, London W1R 8BX

## SHAW ASSOCIATES

Chartered Surveyors-Property and Architectural Consultants are seeking an

## ARCHITECT

With a minimum of 3 years experience to work with in their successful multi-disciplinary practice on a wide variety of projects in Central London including major shopping centre and luxury housing.

Applicants should be experienced in all aspects of design and construction from inception to completion.

Salary by negotiation

David de Cobain  
Shaw Associates  
109 Great Russell Street  
London WC1B 3ND

## ARCHITECTURAL ASSISTANTS/TECHNICIANS

required to join busy team shortly to re-locate to offices in Birmingham. Please apply in writing with CV to:

A. H. Baker Esq, R. K. Francis Associates  
Haydon House, Alcester Road  
Studley, Warwickshire B80 7AN

## Tripe and Wakeham Partnership

## SITE ARCHITECT

## MAJOR RETAIL DEVELOPMENT PORTSMOUTH

Project due to commence on site in May 1987 - construction period expected to be 2 1/2 years.

The successful applicant will be required to work in our London Office prior to taking up site duties.

A residency within easy commuting distance would be an advantage.

Salary by negotiation.

Please apply in writing enclosing your C.V. to:

S. J. SNOOK  
TRIPE & WAKEHAM PARTNERSHIP  
16 Fitzhardinge Street  
London W1H 0ER

## ERIC G.V. HINES &amp; SONS

Architects

are looking for

Enthusiastic, Design Conscious

## ARCHITECTS

with the ability to present their ideas with style and imagination.

## ARCHITECTURAL TECHNICIANS

with sound technical knowledge and the ability to manage building contracts.

You will be joining a practice with a wide ranging workload from conservation to new-build, housing to high tech.

If you feel you can fill one of these positions write with full C.V. to:-

Nigel Garrett,  
Eric G.V. Hines & Sons,  
46 Queens Road,  
Reading, Berks RG1 4BD.

## WE HAVE VACANCIES FOR THE FOLLOWING:

## (a) Senior Architects

for positions of responsibility on a number of school projects. Previous experience in this field essential.

## (b) Architectural Assistants

to join small teams working on these projects, with considerable delegated responsibilities.

Our office is pleasantly located in Hampstead close to the Underground station. Replies should include a full CV and indicate the salary required.

Barton + Smith

28 Church Row, Hampstead, London NW3 6UP

## STRIDE TREGLOWN PARTNERSHIP, BRISTOL

require

## Qualified Architects &amp; Junior Technicians

A high level of responsibility will be given to Architects with design flair and good practical experience. Our current workload includes most building types with project values from a few thousand pounds to £10 million. We are an office of 35 people who enjoy working in a friendly, informal atmosphere in this beautiful part of the West Country.

Apply in writing to:

Stride Tregrown Partnership  
Beech House  
6 St Pauls Road  
Bristol BS5 1LT

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## CHIEF ARCHITECT

(£14,598-£15,703)

The Family Care Group operates throughout Gwent, providing a wide range of housing for both rent and sale using public and private finance. The Association is committed to the further development of its in-house Technical Section.

The Chief Architect will head the Technical Section comprising architects, technicians, quantity surveyors and Clerks of Works. He/she will be solely responsible for the performance of the Section and will be a member of the Management Team. Mileage allowance and relocation expenses are payable.

Applications are invited from persons who are suitably qualified and experienced to take on this challenging role. A full CV should be submitted marked "Private & Confidential" to The Director, Family Care Housing Association, 55 York Place, Newport, Gwent. Telephone (0633) 212375.

Closing date 7th January 1987.

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East London, Essex, East Anglia, industrial & commercial work. Top hourly rates. If you are available please contact us now. Tel: 01-478 0987

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EDGINGTON, SPINK & HYNNE  
are looking for enthusiastic

## ARCHITECTS &amp; TECHNICIANS

at all levels of experience to work in their Windsor office on a wide range of interesting projects

Please write with C.V. or telephone

Edgington, Spink & Hynne  
8 Park Street, Windsor  
Berkshire SL4 1JT  
0753 816214

## BERKELEY HOMES (ESSEX) LIMITED

## BUILDING DRAUGHTSMAN

Due to our continued expansion we need a young person to join our drawing team to prepare working drawings and building regulation applications. Must have experience of house building work, including drainage layouts, and able to work with main team supervisors.

An excellent opportunity to join a progressive company soon to be located in Chelmsford, offering career prospects as a reward for hard work and ability.

Contact:

D. A. Jenkins, Land & Sales Director  
Berkeley Homes (Essex) Limited  
Hadow House  
Green Street Green  
Ongar, Essex CM9 6BG  
Tel: Farnborough 53366

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## ARCHITECTS

required with experience of handling all aspects of building from design to contract administration.

We require a high standard of presentation and ability which will be suitably rewarded.

## ASSISTANTS/TECHNICIANS

required for essential roles on a wide variety of interesting work from domestic to shopping centres - full scope for development and responsibility within the practice.

Please apply in writing with C.V. to:-

Lewandowski Brindley Partnership,  
Clarence House,  
165-167 High Street, Hampton Hill,  
Hampton, Middx  
TW12 1LZ

## NEW PROSPECTS FOR A NEW YEAR

## bwpp

## THE BARTON WILLMORE PLANNING PARTNERSHIP

## PLANNING TECHNICIAN/DRAUGHTSPERSON

The Barton Willmore Planning Partnership is one of the UK's largest specialist town planning consultancies, and requires further staff at its Reading headquarters.

We require a Planning Technician/Draughtsperson to provide support services to members of the planning team in Reading, including production of maps and illustrative material; preparation of reports; research and survey work; and assisting in maintaining the map and planning library. Applicants should have experience of local authority planning departments and should preferably hold a Planning Technicians qualification.

Competitive negotiable salary plus other benefits for the successful applicant.

Applications in the form of a factual 'curriculum vitae' including existing salary and names of two referees, together with a brief statement outlining your suitability for the position should be submitted to:

Gareth R. J. Caporn, MA FRPI  
THE BARTON WILLMORE PLANNING PARTNERSHIP,  
Barnes Farmhouse, Barnes Close,  
Calcut, Reading, RG2 7BW



**BRYANT HARVEY PARTNERSHIP**  
require immediately**Young Architects**

with design flair and minimum of 2-3 years experience, able to take responsibility for all aspects of a variety of fast moving projects for clients in the private and public sectors. Considerable career potential for someone with drive and initiative.

Telephone or write to:-

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Northside House, Mount Pleasant  
Barnet, Herts EN4 9EB  
Telephone: 01-441 4450

**ALEXANDER FLINDER ASHLEY PARTNERSHIP**

have openings for an

**ARCHITECT**

with not less than 4 years experience

**and a****TECHNICIAN**

Please phone or write with CV:-  
Tudor House, Llanvannor Road, London NW2 2AR  
Tel: 01-438 9477

**CHAPMAN TAYLOR PARTNERS**

have an exciting opportunity for a

**DESIGN ARCHITECT**

to work on the design of the shopping malls for a new shopping centre project in an historic town close to London. The successful applicant will have the opportunity to combine design ability with the complex technical requirements of shopping centre design.

Please telephone:

Bob Chapman or Martin Hunt

or write enclosing CV to:

96 Kensington High Street, London W8 4SG

Telephone 01 938 3333

**MICHAEL HASKOLL ASSOCIATES**  
Chartered Architects. Design Consultants

7 Cromwell Place London SW7 2JN 01 581 8535

**PROJECT ARCHITECT**

A project architect is required to lead small design team specialising in Shopping Centre and Food Courts projects.

Applicants should have design and managerial skills commensurate with this appointment.

The position offers a real opportunity for career advancement.

Write with CV or telephone Derek Barker.

**C A CORNISH ARCHITECTS LONDON**

require a

**CAD SYSTEMS OPERATOR**

Some experience desirable but training would be given to a college leaver.

Salary negotiable.

Applications in writing with detailed CV to:

Michael Cornish

91-93 Charterhouse Street, London EC1M 6DL

**MOXLEY & FRANKL**

Require an enthusiastic and self motivated

**Architect**

- with preferably 2-3 years post qualification experience, to join us in Clapham. We have several exciting new projects including some prime riverside sites.

Salary circa £14,500 + car, includes G.D.S. Computer Graphics training.

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Moxley & Frankl  
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London  
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Part II or III

required to work on office, hotel and housing projects

Experience not essential

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St Peters Studio, 50 North Byre Gardens

London W9 9HL

Tel: 01-741 1065

Bedwell Brooke Partnership

require

**ARCHITECTS**

to work in an attractive office in a busy Cathedral City to handle a varied workload. A minimum of three years post graduate experience required. Salary negotiable.

Please apply in writing to:

Bedwell Brooke Partnership

106 London Road

St Albans, Herts AL1 1NX

0727 88144

**Tripe and Wakeham Partnership**

requires

**ARCHITECTS**

and

**SENIOR TECHNICIANS**

to work on a variety of interesting projects.

Salaries by negotiation.

Please apply in writing enclosing your C.V. to:

S. J. SNOOK

TRIPE &amp; WAKEHAM PARTNERSHIP

16 Fitzhardinge Street

London W1H 0ER

**BEVAN BODDEY PARTNERSHIP**

Our Hitchin based practice is looking for

**Architects & Technicians**

to join our overworked team. We are currently working on a variety of projects, mainly in commercial/retail sectors.

Both contract and permanent positions considered.

Please apply in writing with CV to:

Bevan Boddey Partnership

8 West Alley, Hitchin, Herts SG5 1EG

**Moxley Jenner****Architect & Senior Technician**

Expanding regional office of well established practice require an Architect and Senior Technician with proven all round experience. Able to take responsibility for a variety of small and medium sized jobs.

Contact:-

Amenda Thomas, Dominions House

Queen Street, Cardiff CF1 4AR

Tel: 0222 397512

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Architects Planning Consultants

148-148 Egham Hill

London SE9 5EA

01-850-9727

There are excellent career opportunities in our lively south east London practice for Architects, Technicians and Interior Designers.

Ours is a young and energetic organisation, combining the opportunities of a major commercial office with the travel benefits of a location close to London and easy access to the M25 and other major routes.

Our current need is for

**2 Architectural Technicians**

and

**2 Interior Designers**

with a minimum 2 years experience to work on site for a major, residential development in London.

The people we are looking for will have highly developed skills, a gentle mind and be able to bear responsibility with initiative. We operate a system of alternating weekends and will be pleased to negotiate salaries.

Apply in writing to:

Carol Ven Nierop

**Experienced Landscape Architects (Part IV)**  
**Assistant Landscape Architects (Part III)**

William Gillespie & Partners offices in London, West Midlands and Cardiff are expanding, undertaking a wide range of very exciting and important work in the public and private sectors. We are looking for talented landscape architects with design flair, personality and a sense of humour. An additional qualification in planning would be advantageous but is not essential.

Applications for London positions should be addressed to: Steven Wardell, William Gillespie & Partners, Unit 25, The Lambs, Wilburton, Isle of Dogs, London E14. Tel: 01-538 0809. Applications for Dudley and Cardiff offices should be addressed to: Paul Taylor, William Gillespie & Partners, Chaddesley House, 198 Wolverhampton Street, Dudley D71 1DZ. Tel: 0384 53888.

**W. S. HATTRELL AND PARTNERS**

wish to appoint in

MANCHESTER AND LONDON

**ARCHITECTS**

with 1-6 years experience for various levels of responsibility on wide range of projects.

Please write with CV to W. S. Hatfield and Partners at Arthur House, Chorlton Street, MANCHESTER M1 3JL or 21 Cleveland Place, King Street, LONDON SW1Y 6RL

**F.F.A. LIMITED**

are looking for a

**YOUNG ARCHITECT**

with ability and enthusiasm to join their small but expanding multi-disciplinary team to work on a variety of housing and commercial projects.

Please write with CV to:-

F.F.A. LIMITED

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Have an immediate vacancy for an

**EXPERIENCED****ARCHITECTURAL ASSISTANT**

with design ability, a sound knowledge of construction techniques and the supervision of commercial and industrial projects.

Send full C.V. to:

John Griffin

Unex House, Church Lane

Stetchworth, Cambridgeshire CB8 9TN

Tel: 063876 8144

**KENT BASED PRACTICE**

with work throughout Southern England.

We have vacancies for Architects and Technicians to handle our continually expanding workload with multi-national clients. The successful applicants are likely to be within the 28-35 year age range with a minimum of 7 years experience, ability to work on own initiative and a mastery of building construction technology essential. Salary negotiable.

Please apply in writing with c.v. to:

Martin Hunt

Jenkins &amp; Gosby

78 Bank Street, Maidstone

Kent ME14 1SL

**LESLIE****JONES****Architects****DESIGN ARCHITECT**

with 4-5 years experience to work on feasibility design and detail of new shopping centres. Some we have, some you will help us win. If you join us you will have responsibility, client contact, exciting opportunities and untimely hard work.

ALSO

**EXPERIENCED TECHNICIANS**

We need two Technicians familiar with large projects and light programs to take key support roles in teams working to achieve fine buildings.

We offer exciting work and good pay. If you think you can help us write to:-

Nick Dyer

Leslie Jones Architects

Leslie House

3-4 Bentinck Street

London W1M 5RN

**Project Management Engineer**

required for busy consulting engineers, based at Gwynedd. Capable of running a range of small contracts nationwide on clients behalf.

Peter Vico

01-466 7661

**ARCHITECTURAL TECHNICIAN**

Required for a busy architectural practice in London. Must have a minimum of 2 years experience in the field of architectural drawing and design.

Please apply in writing to:

01-250 1833

**WILLIAM RYDER & PARTNERS**

require a

**JOB ARCHITECT****AND****ARCHITECTURAL ASSISTANT**

to work on a major refurbishment of a listed building in Mayfair. Applicants for both posts must be experienced in historic buildings, be conversant with current regulations and possess a high degree of drafting skills. Applicants for the job architect post must have extensive site and contract administration experience. Apply in writing with CV to:

Robert Lamb

William Ryder &amp; Partners

Kingsgate House, 115 High Holborn, London WC1B 6JJ

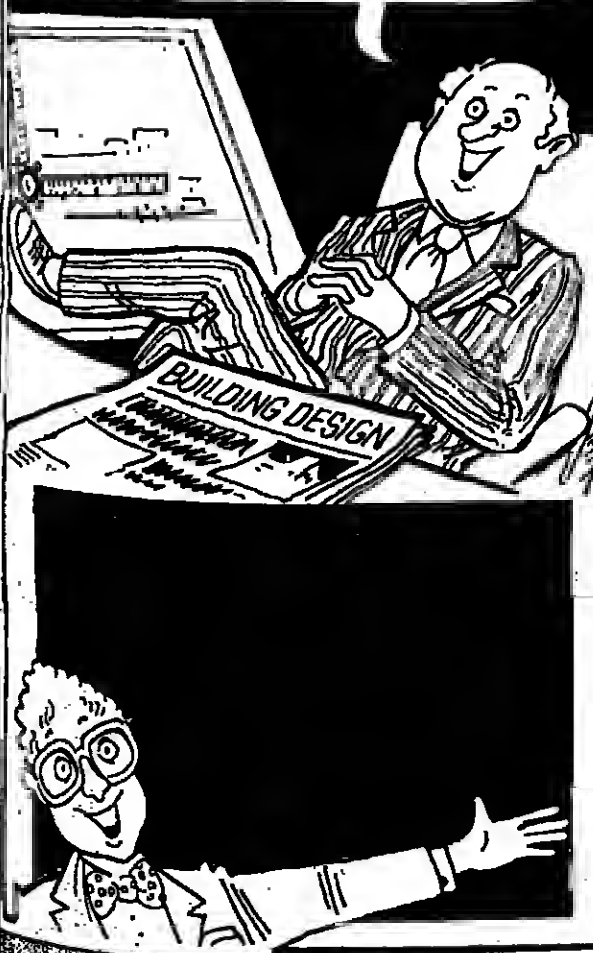
**ROBERT DAVIES****JOHN WEST ASSOCIATES****ARE STILL WAITING FOR A****CREATIVE PERSON**

to help in the concept and presentation of an assortment of different schemes that are at present flooding into this office.

Ring Audrey on Staines (0784) 59211 if you think you fit the bill AND don't amok and like joining in the creative and sometimes dangerous activities that keep this nutty band playing hard as well as working hard.

**DID YOU KNOW YOU CAN NOW ADVERTISE FOR STAFF WITH EVEN MORE CONFIDENCE!**

CURRENT READERSHIP RESEARCH AMONGST ARCHITECTS CONDUCTED BY THE BUILDING CENTRE SHOWS BUILDING DESIGN THE JOURNAL FIRST TURNED TO FOR JOB ADVERTISEMENTS 39% MORE THAN ITS NEAREST COMPETITOR

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Arch Techs - SW7, surveying and design

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Space Planner/OAD Operator - c

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Clerk of Works - for a London housing

refurb, 1 neg.

Tel: 01-734 8887 or write:

Technical Engineering &amp;

Development

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London SW6 4TJ

**ROEYIN**

Architectural Technicians

for 12 months, minimum contract in the

Manchester area

Please phone the office

061 947 3418 (day) or 061 947 3419 (even)

061 947 3417 (week) or 061 947 3418 (week)

1 Hockley Lane, Salford, Manchester, M6 6PU

(Agency)

**LEVER DESIGN**

Experienced Draughtsmen

to work on shop interiors. Small, busy

designs. 3 build firm in Fulham

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**GRADUATE ARCHITECT/TECHNICIAN**

required for small practice with work on

both new and conservation projects.

Immediate start, salary commensurate with

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Vernon Gibbs Partnership

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0983 335157

We are looking for a

**Project Architect**

to join our design and management

divisions on a variety of community-based

projects, for which a minimum of four years

post-graduate experience is essential.

Salary by negotiation.

Write to: K.H. Wilson RIBA

Bella Williams Partnership

7 Charlotte Meade

London W1M 4JH

Tel: 01-580 2996

**FORM DESIGN**

Architect/Technician

with sound technical ability to work on wide

range of interesting projects in the public

sector. Must have good drawing skills

and ability to work on own initiative. Essential

Send CV to:-

V.V. Hudson, Form Design

67-69 Chancery Lane, WC2A 1AF

Tel: 01-477 6965

**Architectural Technician**

required for busy practice with interesting

workload. Minimum 3 years' experience

preferred.

Write to:

Beveridge Street &amp; Brewer

18 South Street

Bury, Lancashire BL9 9BU

Tel: 0924 681756

**ARCHITECT/TECHNICIAN**

required for busy practice with a wide

range of interesting new-build and refurb

schemes.

Phone or write to:

Community Land Use

194 Haverhill Road, London W1M 4JH

Tel: 01-477 6965

**ARCHITECTS**

require

**ARCHITECTURAL TECHNICIANS**

to work in their central office on

industrial projects.

Qualifications: I.T.E.C. B.I.A.T.

membership.

Write with CV to the practice at

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**Thames Ditch requires**  
**Extra Musicians**

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Steve McAllister: 01-858 6994

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Victoria SW1

**N.U.B.S. COMMUNITY ARCHITECTS**

Vacancy in North London for

Part II level architectural

student.



# PUBLIC SECTOR APPOINTMENTS

## LANDSCAPE AND URBAN DESIGN

Thamesmead Town, which will be managed by a private company from 1st January, 1987, is seeking to appoint an Urban Designer and Landscape Architects, Quantity Surveyors and a Clerk of Works

### Urban Designer

Salary £15,000-£17,500 £17,000-£19,500 according to qualifications and experience

The person appointed to this key post will lead the small team which is fully involved in all aspects of urban design from preparation of overall strategy for about 318 hectares of undeveloped land to detailed negotiation with the architects for individual schemes. The task calls for exceptional design ability and a thorough understanding of development and construction, together with an enthusiasm for involving existing residents in the formulation of ideas for their town's future.

Applicants should have a degree or diploma in Urban Design or Architecture, preferably with an additional qualification in Planning, at least ten years related experience, good negotiation and communication skills and the ability to direct and motivate staff.

### Landscape Architect

Salary £15,000-£17,500 and

### Assistant

### Landscape Architect

Salary £13,000-£15,000

These posts will form part of a small design group preparing and supervising Landscape Projects within a comprehensive service. Including those associated with development by private agencies, from briefing to completion.

Applicants should show proven ability to provide imaginative design and supervise contracts. They must be able to communicate effectively with other professional staff and the public and respond flexibly to new and changing situations.

Applicants for the post of Landscape Architect should be Associates of the Landscape Institute. Applicants for the Assistant Landscape Architect should have or be exempt from Part 2 of the L1 examination.

### Senior Quantity Surveyor

Salary £15,000-£17,500

### Quantity Surveyor

£13,000-£15,500

Both these posts form part of a small team of Quantity Surveyors, supervised by the Senior Quantity Surveyor, who will provide a full QS service from feasibility stage to final account, mainly for the Landscape Development Team but also in a consultancy capacity for other disciplines. Applicants for both posts should possess corporate membership of RICS or proven professional expertise to an equivalent level and have extensive knowledge of landscape construction, as well as other disciplines. An ability to work in a multi-disciplinary team is also necessary. The Senior Quantity Surveyor must also be able to lead and organise the work of the group.

### Landscape Clerk of Works

Salary £11,000-£13,500

The successful applicant, who should have proven experience of all aspects of landscape contracts, including general site surveying and levelling, will monitor and record progress of all landscape schemes on a daily basis.

ALL POSTS ARE LOCATED AT THAMESMEAD

Further details and application forms, which should be returned by 19th December 1986, are available from:-

The Chief Executive  
Thamesmead Town  
Harrow Manor Way  
London SE2 9X4



## BIRMINGHAM CITY COUNCIL ARCHITECTURAL TECHNICIAN

£6,606-£7,158

To assist on a wide range of work including Urban Renewal, Education, Social Services and other special schemes. Applicants should possess BTEC National or Higher National Certificate in Building Studies or similar recognised qualification. Applications from those wishing to job share will be welcomed.

Application forms (returnable by 19th December, 1986) from the Personnel Officer, City Architects Department, Baskerville House, Civic Centre, Birmingham B1 2NE. Telephone 021 235 3947.

Birmingham City Council an equal opportunities employer.

## RIVERSIDE HEALTH AUTHORITY DEPARTMENT OF ESTATE MANAGEMENT, VINCENT SQUARE, SW1 PROJECT MANAGER

Initially 6 months

Required to assist the District Architect and Deputy Director of Estate Management in the provision of new and improved buildings, by means of an executive project management service for capital schemes throughout the District. We are looking for people with several years broad experience of building development and project management, ideally in the Health Service. Although the post is initially for 6 months, there may be an opportunity to extend this contract or to make the appointment substantive. Informal enquiries to Charles Galloway, Deputy Director, on 01-400 9611 ext 337. Salary £11,707-£14,419 (inc. dependent upon experience and qualifications). Applications forms and job descriptions from the Unit Personnel Department, Queen Mary Nurses Home, 10 Fife Street, London SW1P 4AP. Telephone: 01-400 0294 (24 hour service). Please quote reference number A/55596. Closing date: 19th December, 1986.

## SOUTHEAST-ON-SEA BOROUGH COUNCIL PROPERTY SERVICES DEPARTMENT CLERK OF WORKS

Salary Scale 5/6

£8,391-£10,164 per annum

We are currently engaged upon a large programme of both new build and housing modernisation schemes, and therefore require an additional experienced Clerk of Works to assist with the supervision of a wide range of building contracts to ensure that good standards are maintained.

Applicants should ideally be a member of the Institute of Clerk of Works and have considerable experience of all types of building works and trades. Starting salary will be commensurate with experience and/or professional qualifications.

In addition a casual user car allowance is payable and in appropriate cases removal expenses will be paid. Application forms and job descriptions available from Chief Administrative Officer, Property Services Department, PO Box 6, Civic Centre, Victoria Avenue, Southend-on-Sea, Essex SS2 6ER — Telephone (0708) 355411.

Closing date for completed applications 22nd December, 1986.

## Department of Architecture and Planning

The Architects Division is currently working on a variety of interesting projects of varying sizes including new build, modernisations, extensions and adaptations, and now requires four new people to join the team.

### Senior Building Surveyor

£12,565 to £13,653 (Grade: PO2)

You must hold a suitable professional qualification and have had several years practical experience. You will be required to work on a wide variety of projects ranging from major capital works to programmed repairs, carrying them through from feasibility to final account.

### Building Surveying / Architectural Assistant

£6,606 to £12,287 (Grade: Scale 3 to SO2)

You will work along side qualified Building Surveyors and Architects, on all aspects of the Council's extensive building programme. Initially, your work will include projects of adapting buildings to make them suitable for handicapped people. Ideally, applicants should be RICS/RIBA Part I or MBIAT, or have had at least three years practical experience.

Starting salaries will be commensurate with experience and/or professional qualifications. Where appropriate, day release facilities will be available to enable you to pursue studies in order to achieve a full professional qualification.

In addition to a generous holiday entitlement, flexitime and removal expenses where appropriate, Harrow offers a location with good sports and social facilities, within easy reach of Central London, yet close to the countryside.

The London Borough of Harrow is actively pursuing a policy of equal opportunities, and welcomes applicants from minority and disadvantaged groups. For an application form and job description please contact the Staffing Officer, Department of Architecture and Planning, PO Box 36, Civic Centre, Station Road, Harrow, Middlesex, HA1 2JA or telephone 01-863 5811 ext 2570.

The closing date for applications is 10 December 1986.



## Wychavon District Council

Department of Planning and Architecture

### Architectural Assistant

£9,513-£11,271 pa

Applications are invited from experienced technicians with MBIAT (Full membership) for this new post, part of a small architectural team with an excellent reputation for design, based in the Worcestershire spa town of Droitwich.

The successful applicant will provide technical support in design and supervision of the Authority's building schemes, as well as carrying out special projects on an individual basis. Casual Car User Allowance. Flexible Working Hours. Relocation expenses payable in appropriate cases.

Job description and application form from The Personnel Officer, 53 Head Street, Pershore, Worcs WR10 1DA. Tel 0386 553064 (24 hr Answer service). Please quote: A&P62. Closing date: 19th December. Interviews: 16th January 1987.

## Hull City Council

### CITY ARCHITECT'S DEPARTMENT

### Clerk of Works (2 Posts)

Post Nos CA 145 & 150

Scale 4/B £7311-£10164 Career Grade

The successful applicants will be people seeking an interesting and challenging position in a Department with a diverse programme of work covering new housing, rehabilitation and general works projects in the Cultural and Leisure activities field.

Applicants must have a relevant HNC or other appropriate qualification, together with 4 years' relevant experience in the building industry, or an appropriate ONC/TEC or intermediate qualification together with 10 years' relevant experience or trade experience (of which 5 years should have been in a supervisory capacity).

### Architectural Technician

Post No CA 49 Scale 3/B £6506-£10164 Career Grade

Working with a small team directly concerned with the implementation of the City Council's programme of works for the Chronicle Sea and Quayside, candidates will be expected to demonstrate a full range of skills and aptitudes. In addition to design and drawing ability, those suitable for the post should have a thorough knowledge of Building Construction and a willingness to accept responsibility.

Candidates with qualifications at H.N.C. level or above will be at an advantage.

In appropriate cases the successful applicants for the above posts will be eligible for assistance with removal costs and relocation expenses. A car allowance is payable.

Application forms and further details are available from the City Manpower Office, Municipal Offices, Trippett Street, Corgie Street, Hull HU2 6AA. Tel: 0482 222193 to whom they should be returned by Friday 18th December 1986.

An Equal Opportunities Employer

## Clerks of Works

Salary up to

£12,009 per annum

i) Building Maintenance — 2 posts (car allowance payable)

ii) Projects — 2 posts

Have you knowledge and experience of building construction, alterations and building regulations?

Can you interpret technical information for practical application on site?

The Architect's Department needs more Clerk of Works with these skills to cover new housing, housing, recreation and other projects, as well as maintenance work, so with you could find a career challenge and salary to suit your experience and qualifications.

As head of this multi-disciplinary unit, the Chief Architect contributes to the formulation of policy on educational building, construction and maintenance of educational buildings, and to development work on standards and good practice.

Applicants must be registered Architects with considerable relevant professional experience. Salary inclusive of London Weighting, in the

region of £30,000. Full details in respect of salary and conditions of service will be forwarded on request. Relocation assistance of up to £5000 may be available.

For an application form to be returned by 16 January 1987 write to Civil Service Commission, Alencon Link, Basingstoke, Hants RG21 1JB, or telephone Basingstoke (0256) 468551 (answering service operates outside office hours). Please quote ref: T/7091.

The Civil Service is an equal opportunity employer

Application forms from the Borough Architect, The Civic Centre, Lampton Road, Hounslow, TW3 4DN. Tel: 01-870 7728 ext 4070. Closing date 18 December 1986.

Hounslow

## Shrewsbury and Atcham Borough Council

### ARCHITECTURAL TECHNICIAN

(£5,058 to £7,158)

Applications are invited for the above post within the Architects Section of the Planning and Technical Services Department. Duties will include providing support for the Principal Architect in the preparation of sketch schemes and following through with final design, working drawings, site supervision as well as contract administration.

Preference will be given to applicants holding an HNC in Building. Commencing salary within the range will depend on qualifications and experience and could be at the maximum.

Application forms and details from the Personnel Assistant, Guildhall, Shrewsbury, Shropshire (0743) 59235 ext 919, to be returned by 18th December, 1986.

Interested in Inner City issues? Have you a real interest in and commitment to working with local people to implement Camden Council's policies?

### Architect Planner

£13,960-£16,267 p.a. inc.

You will be responsible for the standard of design of environmental schemes and will advise on design and conservation aspects of development, local planning and community projects.

You will be expected to work generically, to lead and participate in a wide range of projects and undertake a development control caseload.

You should have considerable experience in planning and technical aid, and be committed to achieving high standards of design and the planning process.

Application forms from and to be returned to Director of Planning and Communications, Town Hall, Euston Road, WC1H 9EQ or telephone 01-278 4444 ext 2178 quoting the ref no 6/172/8D. Closing date 22nd December 1986.



equal opportunity employer

Applicants are considered on the basis of their suitability for the post, with equal opportunities for women, black and minority ethnicities, disabled and gay men and people with disabilities, and regardless of marital status, age, creed, religion and unrelated criminal conviction. All posts are open for job-sharing.

## CANNOCK CHASE DISTRICT COUNCIL

Director of Technical Services Department (Architectural Services)

### ASSISTANT QUANTITY SURVEYOR

Scale 4/5 £7,311-£9,216

Applications are invited from suitably qualified and experienced persons for the above position. The post is principally that of a Quantity Surveying Assistant to prepare final accounts. However, preference will be given to applicants who possess a working knowledge of the preparation of drawings of an architectural nature to the degree that he/she can assist an Architectural Technician/Assistant employed in this Section.

Commencing salary dependent on age and experience. Relocation expenses will be paid in appropriate cases.

Application forms and further particulars from the Personnel Section, PO Box 28, Beecroft Road, Cannock, or telephone Cannock 2621 extension 453.

Closing date for receipt of applications, 22nd December, 1986.

## CHIEF ARCHITECT

The Architects and Building Team of the DES has recently been reorganised in its role of advising DES on policy in relation to educational building.

As head of this multi-disciplinary unit, the Chief Architect contributes to the formulation of policy on educational building, construction and maintenance of educational buildings, and to development work on standards and good practice.

Applicants must be registered Architects with considerable relevant professional experience. Salary inclusive of London Weighting, in the

region of £30,000. Full details in respect of salary and conditions of service will be forwarded on request. Relocation assistance of up to £5000 may be available.

For an application form to be returned by 16 January 1987 write to Civil Service Commission, Alencon Link, Basingstoke, Hants RG21 1JB, or telephone Basingstoke (0256) 468551 (answering service operates outside office hours). Please quote ref: T/7091.

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Application forms from the Borough Architect, The Civic Centre, Lampton Road, Hounslow, TW3 4DN. Tel: 01-870 7728 ext 4070. Closing date 18 December 1986.

Hounslow

## Islwyn Borough Council

Applications are invited from suitably qualified and experienced persons (Male or Female) for the following posts:-

### TECHNICAL AND SERVICES DEPARTMENT

### ARCHITECTURAL ASSISTANT

SCALE 5/6 — £8,391-£10,164

### ARCHITECTURAL TECHNICIAN

SCALE 1/5 — £3,186-£9,216

Application forms and further particulars can be obtained from the Personnel and Management Services Unit, Civic Centre, Pontllanfair, Blackwood, Gwent NP23 9YW. (Telephone: Blackwood 236422 extension 5373) and are to be returned by 12.00 noon Friday, 19th December, 1986.

## Oxfordshire County Council

### AN EQUAL OPPORTUNITY EMPLOYER

Nursery places for children aged 6 months to 5 years may be available at a day nursery in Oxford run by the St Thomas Day Nursery Association.

## Department of Planning and Property Services TECHNICIANS (2 posts)

Salary Scale 4: £7,311-£8,172

These posts offer a good opportunity for technicians with several years' experience to join our project architecture section. Your duties will mainly involve assisting project architects on various schemes ranging from £100,000 to £1,500,000 plus. Including education and social services buildings.

You should possess a good standard of drawing work and be qualified to TEC level in Building Construction or equivalent.

Application forms and further details from Mrs. Gill Brett, Department of Planning and Property Services, Speedwell House, Speedwell Street, Oxford OX1 1SD. Telephone: Oxford 616681.

Closing date for completed applications: 31st December 1986.

## ARCHITECTS DEPARTMENT

### SENIOR LANDSCAPE ASSISTANT

Ref. AR.003

£10,568-£11,271 p.a.

plus casual user car allowance and loan facilities

To assist in the design and implementation of a wide range of landscape projects/schemes involving Direct Land Reclamation and Urban Environmental Improvements from inception to completion. Applicants should preferably be qualified Landscape Architects with experience in the design and implementation of landscaping projects.

Last date for receipt of completed applications: 18th December, 1986. Application forms and details from: Personnel Dept., P.M.S.U., Civic Centre, Derwent Street, Walsall WS1 1TP, quoting job title and reference number. Tel: Walsall 21244 ext. 3202.

## Walsall

An Equal Opportunity Employer

Metropolitan Borough

## DIRECTOR OF ISLAMIC ARTS DIVISION

Director of Islamic Arts required by design and build company dealing extensively with Middle Eastern countries.

The successful candidate will be responsible for the design and production of special finishes in the Islamic style, and will also be required to develop this department within the Company with consequent management responsibilities. He must be a University Graduate with a BSc or higher degree, and an Islamic designer of proven ability with at least ten years experience in Islamic architecture, geometric design, calligraphy, three dimensional mughams design and classical methods of manufacture of ceramic, plaster and mosaic, and inlay of wood, marble and metal work. Experience should be supported by references and certificates. Fluency in Arabic and English are pre-requisites as well as the ability to travel Middle Eastern countries and to enter religious and holy places therein. Candidates should be 35-45 years of age.

Salary will be commensurate with qualifications and experience. Please apply with full curriculum vitae to the Company's solicitors, Jacques & Lewis, 9 South Square, Gray's Inn, London WC1A 3SH. REFERENCE: JAL.

DO NOT SHOW YOUR NAME ON ADVERTISEMENTS FOR STAFF WITH EVEN MORE CONFIDENCE

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## ARCHITECT

### CONSERVATION GROUP

UP TO £12,297 RAI CA71

An experienced enthusiast is sought, primarily to assist and contribute towards the conservation of the architectural heritage of the City of Manchester. The Group is responsible for the care of 80 listed